INTEGRATED
PERFORMANCE
CONSULTANTS

January 30th, 2019

Deborah Smith
Executive Officer II
California Regional Water Quality Control Board
Los Angeles Region

Attention: Information Technology Unit

Malibu Civic Center WTP
2018 4th Quarter Monitoring Report

WDR: R4-2015-0051
MRP: CI-10042

OVERVIEW

Malibu Civic Center Wastewater Treatment Plant performed well all quarter. Final performance testing is completed for all in plant systems.

Injection well testing remains deferred due to piping and control issues that were discovered during the initial startup attempt. Those issues are currently being resolved, and it is expected that injection will commence in Q1 2019.

The mandatory evacuation of Malibu due to the Woolsey fire resulted in unusually low flow for approximately 4 weeks. Discharge quality was relatively unaffected except for UV Dose, which became difficult to maintain above 80 mJ/cm2 after the evacuation order was lifted and flow increased to normal. This was corrected in early January by a programming change. Although UV dose was below 80 mJ/cm2 for most of the period from November 20th through January 3rd, Total and Fecal Coliform was < 1.8 mpn/100 mL every day. All of the effluent that received low UV dose was discharged to percolation on site after being chlorinated as required by the Permit.

SUMMARY OF NON-COMPLIANCE

There were no instances of non-compliance during this reporting period.

INFLUENT & EFFLUENT MONITORING

The results of influent and effluent monitoring are shown in Attachment A.

WASTE HAULING

7,500 gallons of unthickened waste activated sludge were hauled off site this quarter for biological process control. Operation of the MBT in subsequent quarters will result in reduction of the total volume hauled for this purpose.

GROUNDWATER AND SURFACE WATER MONITORING

The results of groundwater and surface water monitoring are provided in the attached report compiled by Rincon Consultants.

All analyses were conducted at a laboratory certified for such analyses by the California Department of Health Services, and in accordance with current United States Environmental Protection Agency (USEPA) guideline procedures or as specified in this Monitoring Program. A copy of the ELAP certificate for Sierra Analytical and copies of the completed chain of custody forms are attached.

I certify under penalty of law that this document, including all attachments and supplemental information, were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Executed on the 30th day of January, 2019, at Irvine, CA.

Sincerely,

Ric Vardel, IPC Inc.
Chief Plant Operator, License V-4457

Integrated Performance Consultants, Inc.
Contract Operator, LIcense CO-0083

ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																		
		DAILY	WEEKLY		DAILY																WEEKLY											MONTHLY							
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Plant Reuse	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS		
Units		kgpd	mg/L	mg/L	kgpd	kgpd	kgpd	kgpd	kgpd	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
Limit 1		191.0			191.0				50.0	0.20	0.50	5.0	65.0	80	6.5		2.2			20	85.0	15	85.0	8	8.0	1					10		2000	500	500	2	0.5		
Limit 2															8.5	23	7 day			30		40								15								
Limit 3																240	med			45		45																
10/01/2018	Mon	51.1			48	0.0	0.0	0.0	48	0.05	0.38	0.41	69	200.0	7.4	1.7	1.7	1.7	0.049	1.9																			
10/02/2018	Tue	54.7			49	0.0	0.0	0.0	49	0.05	0.36	0.31	68	200	7.3	1.7	1.7	1.7	0.049	4.0																			
10/03/2018	Wed	55.9			51	0.0	0.0	0.0	51	0.05	0.44	0.51	66	200	7.3	1.7	1.7	1.7	0.049	7.0																			
10/04/2018	Thu	60.6	184	441	49	0.0	0.0	0.0	49	0.06	0.11	0.00	65	200	7.6	1.7	1.7	1.7	0.049	1.9	99.6	0.90	99.5	1.6	1.6	0.02	0.09	0.95	0.86	2.6								
10/05/2018	Fri	60.9			48	0.0	0.0	0.0	48	0.05	0.10	0.00	66	200	7.5	1.7	1.7	1.7	0.049																			
10/06/2018	Sat	62.1			48	0.0	0.0	0.0	48	0.05	0.14	0.00	69	200	7.4	1.7	1.7	1.7	0.049																			
10/07/2018	Sun	54.1			47	0.0	0.0	0.0	47	0.05	0.19	0.00	70	200	7.4	1.7	1.7	1.7	0.049																			
10/08/2018	Mon	50.9			47	0.0	0.0	0.0	47	0.05	0.22	0.10	70	200	7.2	1.7	1.7	1.7	0.049																			
10/09/2018	Tue	50.0			47	0.0	0.0	0.0	47	0.05	0.33	0.31	70	200	7.4	1.7	1.7	1.7	3.800																			
10/10/2018	Wed	47.9			47	0.0	0.0	0.0	47	0.05	0.33	0.10	70	200	7.2	1.7	1.7	1.7	0.049																			
10/11/2018	Thu	49.9			47	0.0	0.0	0.0	47	0.05	0.45	0.25	70	200	7.8	1.7	1.7	1.7	0.060																			
10/12/2018	Fri	53.2			48	0.0	0.0	0.0	48	0.06	0.13	0.00	70	200	7.1	1.7	1.7	1.7	0.049																			
10/13/2018	Sat	54.9			47	0.0	0.0	0.0	47	0.06	0.15	0.00	67	200	7.4	1.7	1.7	1.7	0.049																			
10/14/2018	Sun	53.3			46	0.0	0.0	0.0	46	0.06	0.15	0.00	67	200	7.2	1.7	1.7	1.7	0.049																			
10/15/2018	Mon	39.1			44	0.0	0.0	0.0	44	0.05	0.22	0.05	68	200	7.1	1.7	1.7	1.7	0.049																			
10/16/2018	Tue	52.4			45	0.0	0.0	0.0	45	0.05	0.14	0.00	68	200	7.7	2.0	1.7	1.7	0.049	13.0	93.8	0.9	99.0	1.7	1.7	0.03	0.09	0.89	0.8	2.6	4.9	0.54	692.0	118.0	203.0	0.34	0.19	
10/17/2018	Wed	50.9			43	0.0	0.0	0.0	43	0.05	0.19	0.00	68	200	6.9	1.7	1.7	1.7	0.049																			
10/18/2018	Thu	50.3	91	208	38	0.0	0.0	0.0	38	0.05	0.26	0.05	69	200	7.4	2.0	1.7	1.7	0.049																			
10/19/2018	Fri	53.6			38	0.0	0.0	0.0	38	0.04	0.12	0.00	70	200	7.5	4.0	1.7	1.7	0.049																			
10/20/2018	Sat	58.6			38	0.0	0.0	0.0	38	0.04	0.15	0.00	71	200	7.4	4.5	2.0	1.7	0.049																			
10/21/2018	Sun	52.7			38	0.0	0.0	0.0	38	0.04	0.29	0.20	71	200	7.4	2.0	2.0	1.7	0.049																			
10/22/2018	Mon	53.0			37	0.0	0.0	0.0	37	0.04	0.34	0.20	72	200	7.5	4.0	2.0	1.7	0.049																			
10/23/2018	Tue	50.8			37	0.0	0.0	0.0	37	0.04	0.10	0.00	70	200	7.3	1.8	2.0	1.7	0.049																			
10/24/2018	Wed	52.7	212	327	37	0.0	0.0	0.0	37	0.04	0.21	0.05	69	200	7.5	1.8	2.0	1.7	0.049	1.9	99.4	0.9	99.6	2.8	2.7	0.05	0.12	0.78	0.66	3.5								
10/25/2018	Thu	53.7			37	0.0	0.0	0.0	37	0.04	0.09	0.00	69	200	7.5	2.0	2.0	1.7	0.049																			
10/26/2018	Fri	59.4			37	0.0	0.0	0.0	37	0.04	0.07	0.00	69	200	7.4	1.7	2.0	1.7	0.049																			
10/27/2018	Sat	61.6			37	0.0	0.0	0.0	37	0.04	0.08	0.00	70	200	7.4	1.7	1.8	1.7	0.049																			
10/28/2018	Sun	53.6			53	0.0	0.0	0.0	53	0.04	0.09	0.00	69	200	7.6	1.7	1.8	1.7	0.049																			
10/29/2018	Mon	52.2			49	0.0	0.0	0.0	49	0.04	0.30	0.36	68	200	7.3	1.7	1.7	1.7	0.049																			
10/30/2018	Tue	52.1	127	382	42	0.0	0.0	0.0	42	0.04	0.08	0.00	68	AE	7.8	2.0	1.7	1.7	0.049	3.0	99.2	1.0	99.2	2.8	2.8	0.04	0.09	0.96	0.87	3.8								
10/31/2018	Wed	49.2			44	0.0	0.0	0.0	44	0.04	0.44	0.25	68	AE	7.4	1.7	1.7	1.7	0.049																			
TOTAL		1,606			1,322	0.0	0.0	0.0	1,322																													
MAX		62.1	212	441	53	0.0	0.0	0.0	53	0.06	0.45	0.51	71.6	> 80	7.8	4.5	2.0	1.7	3.800	13.0	99.6	1.0	99.6	2.8	2.8	0.05	0.12	0.96	0.87	3.8	4.9	0.54	692.0	118.0	203.0	0.34	0.19	
AVG		53.5	154	340	44	0.0	0.0	0.0	44	0.05	0.21	0.10	68.9	> 80	7.4	2.0	1.8	1.7	0.174	4.7	98.0	0.9	99.3	2.2	2.2	0.03	0.10	0.90	0.80	3.1	4.9	0.54	692.0	118.0	203.0	0.34	0.19	
MIN		39.1	91	208	37	0.0	0.0	0.0	37	0.04	0.07	0.00	64.7	> 80	6.9	1.7	1.7	1.7	0.049	1.9	93.8	0.9	99.0	1.6	1.6	0.02	0.09	0.78	0.66	2.6	4.9	0.54	692.0	118.0	203.0	0.34	0.19	

ATTACHMENT A: DAILY, WEEKLY, & MONTHLY INFLUENT & EFFLUENT DATA

		INFLUENT			EFFLUENT																																		
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY								
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Plant Reuse	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS		
	Units	kgpd	mg/L	mg/L	kgpd	kgpd	kgpd	kgpd	kgpd	ntu	ntu	%	%	mJ/cm2	units	mpn		mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L		
	Limit 1	191.0			191.0				50.0	0.20	0.50	5.0	65.0	80	6.5		2.2			20	85.0	15	85.0	8	8.0	1				10		2000	500	500	2	0.5		
	Limit 2														8.5	23	7 day			30		40								15								
	Limit 3															240	med			45		45																
11/01/2018	Thu	50.8			42.8	0.0	0.0	0.0	42.8	0.05	0.09	0.00	67.5	AE	6.9	1.7	1.7	1.7	0.049																				
11/02/2018	Fri	53.3			44.2	0.0	0.0	0.0	44.2	0.05	0.11	0.00	67.1	94.1	7.8	1.7	1.7	1.7	0.049																				
11/03/2018	Sat	53.5			43.9	0.0	0.0	0.0	43.9	0.05	0.08	0.00	67.1	90.9	7.5	1.7	1.7	1.7	0.049																				
11/04/2018	Sun	49.2			42.5	0.0	0.0	0.0	42.5	0.04	0.09	0.00	67.5	88.1	7.5	1.7	1.7	1.7	0.049																				
11/05/2018	Mon	52.1			47.0	0.0	0.0	0.0	47.0	0.04	0.10	0.00	67.8	85.9	8.0	1.7	1.7	1.7	0.049																				
11/06/2018	Tue	48.3	259.0	891.0	47.8	0.0	0.0	0.0	47.8	0.04	0.41	0.15	67.7	83.0	7.6	1.7	1.7	1.7	0.049	1.9	99.8	0.9	99.7	3.1	3.1	0.04	0.09	0.65	0.56	3.8								
11/07/2018	Wed	52.1			49.3	0.0	0.0	0.0	49.3	0.04	0.09	0.00	67.6	78.9	7.4	1.7	1.7	1.7	0.049																				
11/08/2018	Thu	45.6			50.1	0.0	0.0	0.0	50.1	0.04	0.07	0.00	67.5	81.0	7.5	1.7	1.7	1.7	0.049																				
11/09/2018	Fri	16.6			28.1	0.0	0.0	0.0	28.1	0.04	0.30	0.15	66.1	83.5	NS	NS	NS	NS	NS																				
11/10/2018	Sat	14.7			14.6	0.0	0.0	0.0	14.6	0.04	0.21	0.05	68.3	85.4	NS	NS	NS	NS	NS																				
11/11/2018	Sun	17.5			13.0	0.0	0.0	0.0	13.0	0.04	0.09	0.00	68.7	85.0	NS	NS	NS	NS	NS																				
11/12/2018	Mon	18.3			13.0	0.0	0.0	0.0	13.0	0.04	0.34	0.10	69.0	85.4	NS	NS	NS	NS	NS																				
11/13/2018	Tue	18.0			12.6	0.0	0.0	0.0	12.6	0.04	0.09	0.00	69.3	83.8	NS	NS	NS	NS	NS																				
11/14/2018	Wed	27.1			12.8	0.0	0.0	0.0	12.8	0.04	0.41	0.10	71.5	89.4	NS	NS	NS	NS	NS																				
11/15/2018	Thu	21.2			12.6	0.0	0.0	0.0	12.6	0.04	0.19	0.00	70.2	84.7	NS	NS	NS	NS	NS																				
11/16/2018	Fri	26.5			13.1	0.0	0.0	0.0	13.1	0.05	0.30	3.82	70.6	87.7	NS	NS	NS	NS	NS																				
11/17/2018	Sat	38.6			12.1	0.0	0.0	0.0	12.1	0.04	0.05	0.00	71.8	85.0	NS	NS	NS	NS	NS																				
11/18/2018	Sun	35.7			13.3	0.0	0.0	0.0	13.3	0.04	0.05	0.00	72.2	84.9	NS	NS	NS	NS	NS																				
11/19/2018	Mon	28.7			11.5	0.0	0.0	0.0	11.5	0.04	0.11	0.00	72.3	84.7	NS	NS	NS	NS	NS																				
11/20/2018	Tue	49.1			7.6	0.0	0.0	0.0	7.6	0.04	0.17	0.00	71.0	83.9	7.5	1.7	1.7	1.7	0.049																				
11/21/2018	Wed	49.8	287.0	433.0	29.5	0.0	0.0	0.0	29.5	0.04	0.08	0.00	69.1	77.0	7.0	1.7	1.7	1.7	0.049	1.9	99.6	0.9	99.7	5.7	5.6	0.08	0.46	0.9	0.44	6.6								
11/22/2018	Thu	42.3			29.8	0.0	0.0	0.0	29.8	0.04	0.07	0.00	65.1	64.1	7.6	1.7	1.7	1.7	0.049																				
11/23/2018	Fri	52.1			30.0	0.0	0.0	0.0	30.0	0.04	0.33	0.05	65.6	66.2	7.6	1.7	1.7	1.7	0.049																4.9	1.8	752.0	111.0	169.0	0.46	0.34
11/24/2018	Sat	48.1			30.2	0.0	0.0	0.0	30.2	0.04	0.07	0.00	66.6	64.6	7.5	1.7	1.7	1.7	0.049																				
11/25/2018	Sun	46.3			30.0	0.0	0.0	0.0	30.0	0.04	0.09	0.00	67.4	68.8	7.5	1.7	1.7	1.7	0.049																				
11/26/2018	Mon	23.8			30.1	0.0	0.0	0.0	30.1	0.04	0.35	0.15	67.6	69.7	7.5	1.7	1.7	1.7	0.049																				
11/27/2018	Tue	42.9	117.0	526.0	29.9	0.0	0.0	0.0	29.9	0.05	0.11	0.00	67.4	68.5	7.5	1.7	1.7	1.7	0.049	1.9	99.6	0.9	99.2	1.9	1.9	0.02	0.32	0.8	0.48	2.7								
11/28/2018	Wed	47.9			29.9	0.0	0.0	0.0	29.9	0.05	0.11	0.00	70.3	67.4	7.6	1.7	1.7	1.7	0.049																				
11/29/2018	Thu	35.2			29.9	0.0	0.0	0.0	29.9	0.05	0.46	0.10	64.6	63.7	7.6	1.7	1.7	1.7	0.049																				
11/30/2018	Fri	56.1			29.8	0.0	0.0	0.0	29.8	0.05	0.09	0.00	65.1	65.3	7.6	1.7	1.7	1.7	0.049																				
TOTAL	1,161			831	0.0	0.0	0.0	831																															
MAX	56.1	287.0	891.0	50.1	0.0	0.0	0.0	50.1	0.05	0.46	3.82	72.3	> 80	8.0	1.7	1.7	1.7	0.049	1.9	99.8	0.9	99.7	5.7	5.6	0.08	0.46	0.90	0.56	6.6	4.9	1.8	752.0	111.0	169.0	0.46	0.34		
AVG	38.7	221.0	616.7	27.7	0.0	0.0	0.0	27.7	0.04	0.17	0.16	68.3	> 80	7.5	1.7	1.7	1.7	0.049	1.9	99.7	0.9	99.5	3.6	3.5	0.05	0.29	0.78	0.49	4.4	4.9	1.8	752.0	111.0	169.0	0.46	0.34		
MIN	14.7	117.0	433.0	7.6	0.0	0.0	0.0	7.6	0.04	0.05	0.00	64.6	> 80	6.9	1.7	1.7	1.7	0.049	1.9	99.6	0.9	99.2	1.9	1.9	0.02	0.09	0.65	0.44	2.7	4.9	1.8	752.0	111.0	169.0	0.46	0.34		

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		INFLUENT			EFFLUENT																																	
		DAILY	WEEKLY		DAILY																WEEKLY										MONTHLY							
		Q Total Influent	TSS	BOD	Q Total Effluent	Q Lower Reuse	Q Upper Reuse	Q Plant Reuse	Q Percolation	Turbidity Avg	Turbidity Max	Turbidity > 0.2	UVT	UV Dose	pH	Total Coliform	Total Coliform	Fecal Coliform	Resid Cl2	BOD	BOD Removal	TSS	TSS Removal	NOx-N	NO3-N	NO2-N	NH3-N	TKN	Organic-N	Total-N	Oil & Grease	Total-P	TDS	Sulfate	Chloride	Boron	MBAS
Units		kgpd	mg/L	mg/L	kgpd	kgpd	kgpd	kgpd	kgpd	ntu	ntu	%	%	mJ/cm2	units	mpn	mpn	mpn	mg/L	mg/L	%	mg/L	%	mg/L	mg/L	mg/L	mpn	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Limit 1		191.0			191.0				50.0	0.20	0.50	5.0	65.0	80	6.5		2.2			20	85.0	15	85.0	8	8.0	1					10		2000	500	500	2	0.5
Limit 2															8.5	23	7 day			30		40								15							
Limit 3																240	med			45		45															
12/01/2018	Sat	55.4			29.6	0.0	0.0	0.0	29.6	0.05	0.09	0.00	66.8	69.0	7.4	1.7	1.7	1.7	0.049																			
12/02/2018	Sun	49.6			30.1	0.0	0.0	0.0	30.1	0.05	0.10	0.00	67.9	70.4	6.9	1.7	1.7	1.7	0.049																			
12/03/2018	Mon	53.5			41.1	0.0	0.0	0.0	41.1	0.05	0.10	0.00	68.0	71.6	7.7	1.7	1.7	1.7	0.049																			
12/04/2018	Tue	54.1			29.9	0.0	0.0	0.0	29.9	0.04	0.33	0.10	68.0	70.8	7.6	1.7	1.7	1.7	0.049																			
12/05/2018	Wed	51.2	143.0	475.0	30.1	0.0	0.0	0.0	30.1	0.03	0.17	0.00	68.0	70.8	7.5	1.7	1.7	1.7	0.049	1.9	99.6	0.9	99.4	2.6	2.4	0.12	0.16	0.9	0.74	3.5	4.9	0.7	636.0	96.2	178.0	0.40	0.19
12/06/2018	Thu	63.2			30.0	0.0	0.0	0.0	30.0	0.03	0.24	0.10	68.0	73.5	7.5	1.7	1.7	1.7	0.049																			
12/07/2018	Fri	53.0			30.0	0.0	0.0	0.0	30.0	0.04	0.05	0.00	68.0	76.4	7.5	1.7	1.7	1.7	0.049																			
12/08/2018	Sat	46.8			30.0	0.0	0.0	0.0	30.0	0.04	0.05	0.00	68.0	75.7	7.5	1.7	1.7	1.7	0.049																			
12/09/2018	Sun	43.5			30.0	0.0	0.0	0.0	30.0	0.04	0.06	0.00	68.0	74.4	7.4	1.7	1.7	1.7	0.049																			
12/10/2018	Mon	48.6	165.0	496.0	29.9	0.0	0.0	0.0	29.9	0.04	0.08	0.00	68.0	73.1	7.6	1.7	1.7	1.7	0.049	1.9	99.6	3	98.2	2.2	2.2	0.02	0.13	0.73	0.60	3.0							
12/11/2018	Tue	49.8			30.3	0.0	0.0	0.0	30.3	0.04	0.33	0.05	69.6	77.1	7.5	1.7	1.7	1.7	0.049																			
12/12/2018	Wed	51.0			29.8	0.0	0.0	0.0	29.8	0.04	0.09	0.00	71.3	82.7	7.5	1.7	1.7	1.7	0.049																			
12/13/2018	Thu	49.6			37.6	0.0	0.0	0.0	37.6	0.04	0.08	0.00	70.8	80.6	7.5	1.7	1.7	1.7	0.049																			
12/14/2018	Fri	49.7			39.9	0.0	0.0	0.0	39.9	0.04	0.06	0.00	71.7	84.2	7.6	1.7	1.7	1.7	0.049																			
12/15/2018	Sat	49.5			40.0	0.0	0.0	0.0	40.0	0.04	0.07	0.00	71.9	82.4	7.6	1.7	1.7	1.7	0.049																			
12/16/2018	Sun	44.2			39.8	0.0	0.0	0.0	39.8	0.05	0.07	0.00	71.2	78.6	7.5	1.7	1.7	1.7	0.049																			
12/17/2018	Mon	48.6	127.0	403.0	40.0	0.0	0.0	0.0	40.0	0.05	0.50	0.10	71.1	76.2	7.6	1.7	1.7	1.7	0.049	1.9	99.5	0.9	99.3	5.9	5.9	0.06	0.14	0.6	0.46	6.5							
12/18/2018	Tue	50.1			39.9	0.0	0.0	0.0	39.9	0.05	0.09	0.00	70.9	73.7	7.5	1.7	1.7	1.7	0.049																			
12/19/2018	Wed	50.1			52.4	0.0	0.0	0.0	52.4	0.05	0.10	0.00	70.7	73.3	7.4	1.7	1.7	1.7	0.049																			
12/20/2018	Thu	51.9			52.0	0.0	0.0	0.0	52.0	0.06	0.30	0.05	70.1	73.6	7.4	1.7	1.7	1.7	0.049																			
12/21/2018	Fri	48.0			41.0	0.0	0.0	0.0	41.0	0.07	0.08	0.00	69.5	70.9	7.4	1.7	1.7	1.7	0.049																			
12/22/2018	Sat	54.4			41.0	0.0	0.0	0.0	41.0	0.08	0.09	0.00	69.2	68.6	7.6	1.7	1.7	1.7	0.049																			
12/23/2018	Sun	41.3			41.2	0.0	0.0	0.0	41.2	0.08	0.09	0.00	68.9	65.8	7.5	1.7	1.7	1.7	0.049																			
12/24/2018	Mon	46.0	452.0	545.0	41.4	0.0	0.0	0.0	41.4	0.07	0.36	0.25	68.8	65.5	7.3	1.7	1.7	1.7	0.049	1.9	99.7	0.9	99.8	1.9	1.8	0.02	0.21	0.97	0.76	2.8							
12/25/2018	Tue	24.9			40.8	0.0	0.0	0.0	40.8	0.08	0.14	0.00	68.5	64.0	7.3	1.7	1.7	1.7	0.049																			
12/26/2018	Wed	50.0			40.9	0.0	0.0	0.0	40.9	0.07	0.38	0.15	69.3	70.3	7.5	1.7	1.7	1.7	0.049																			
12/27/2018	Thu	51.1			40.8	0.0	0.0	0.0	40.8	0.07	0.11	0.00	67.9	60.3	7.2	1.7	1.7	1.7	0.049																			
12/28/2018	Fri	51.3			40.9	0.0	0.0	0.0	40.9	0.08	0.11	0.00	68.7	61.4	7.6	1.7	1.7	1.7	0.049																			
12/29/2018	Sat	51.1			40.6	0.0	0.0	0.0	40.6	0.08	0.09	0.00	68.7	46.2	7.5	1.7	1.7	1.7	0.049																			
12/30/2018	Sun	47.8			40.7	0.0	0.0	0.0	40.7	0.08	0.10	0.00	68.8	46.2	7.5	1.7	1.7	1.7	0.049																			
12/31/2018	Mon	50.8	566.0	261.0	40.7	0.0	0.0	0.0	40.7	0.08	0.29	0.05	68.6	45.2	7.6	1.7	1.7	1.7	0.049	1.9	99.3	0.9	99.8	2.7	2.6	0.03	0.26	0.93	0.67	3.6							
TOTAL		1,479			1,122	0.0	0.0	0.0	1,122																													
MAX		63.2	452.0	545.0	52.4	0.0	0.0	0.0	52.4	0.08	0.50	0.25	71.9	> 80	7.7	1.7	1.7	1.7	0.049	1.9	99.7	3.0	99.8	5.9	5.9	0.12	0.21	0.97	0.76	6.5	4.9	0.7	636.0	96.2	178.0	0.40	0.19
AVG		49.3	221.8	479.8	37.4	0.0	0.0	0.0	37.4	0.05	0.15	0.03	69.2	> 80	7.5	1.7	1.7	1.7	0.049	1.9	99.6	1.4	99.2	3.1	3.1	0.05	0.16	0.80	0.64	3.9	4.9	0.7	636.0	96.2	178.0	0.40	0.19
MIN		24.9	127.0	403.0	29.6	0.0	0.0	0.0	29.6	0.03	0.05	0.00	66.8	> 80	6.9	1.7	1.7	1.7	0.049	1.9	99.5	0.9	98.2	1.9	1.8	0.02	0.13	0.60	0.46	2.8	4.9	0.7	636.0	96.2	178.0	0.40	0.19

ATTACHMENT B: QUARTERLY EFF

			Q1	Q2	Q3	Q4	MAX	AVG	MIN
Date				6/26/2018	9/14/2018	10/17/2018			
A1 - Inorganic Chemicals									
Chemical	**MCL**	**Units**							
Aluminum	1	mg/L		0.095	0.083	0.08	0.095	0.086	0.08
Antimony	0.006	mg/L		0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Arsenic	0.01	mg/L		0.0011	0.001	0.0016	0.0016	0.001233333333	0.001
Asbestos	7	MFL		0.19	0.19	0.19	0.19	0.19	0.19
Barium	1	mg/L		0.017	0.0063	0.0069	0.017	0.01006666667	0.0063
Beryllium	0.004	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Cadmium	0.005	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Chromium	0.05	mg/L		0.0056	0.0041	0.0038	0.0056	0.0045	0.0038
Cyanide	0.15	mg/L		0.0049	0.0049	0.009	0.009	0.006266666667	0.0049
Mercury	0.002	mg/L		0.000019	0.19	0.00019	0.19	0.063403	0.000019
Nickel	0.1	mg/L		0.0042	0.0047	0.0052	0.0052	0.0047	0.0042
Selenium	0.05	mg/L		0.0032	0.0029	0.0019	0.0032	0.002666666667	0.0019
Thallium	0.002	mg/L		0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Perchlorate	0.006	mg/L		0	0	0	0	0	0
Fluoride	2	mg/L		1.05	0.7	0.7	1.05	0.8166666667	0.7
A2 - Radioactivity									
Chemical	**MCL**	**Units**							
Radium-226 + Radium-228	5	pCi/L		0.828	0.688	0.78	0.828	0.7653333333	0.688
Gross Alpha Particle Activity[1]	15	pCi/L		1.21	1.25	1.9	1.9	1.453333333	1.21
		pCi/L							
Tritium	20,000	pCi/L		433	434	434	434	433.6666667	433
Strontium-90	8	pCi/L		0.545	0.546	0.546	0.546	0.5456666667	0.545
Gross Beta Particle Activity	50	pCi/L		1.71	1.26	2.44	2.44	1.803333333	1.26
Uranium	20	pCi/L		0.469	0.342	0.4	0.469	0.4036666667	0.342
A3 - Volatile Organic Chemicals									
Chemical	**MCL**	**Units**							
Benzene	0.001	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Carbon Tetrachloride (CTC)	0.0005	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,2-Dichlorobenzene	0.6	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,4-Dichlorobenzene	0.005	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1, 1-Dichloroethane	0.005	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,2-Dichloroethane (1,2-DCA)	0.0005	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1, 1-Dichloroethene (1, 1-DCE)	0.006	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Cis-1,2-Dichloroethylene	0.006	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Trans-1,2-Dichloroethylene	0.01	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Dichloromethane	0.005	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,2-Dichloropropane	0.005	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,3-Dichloropropene	0.0005	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Ethylbenzene	0.3	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Methyl-tert-butyl-ether (MTBE)	0.013	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Monochlorobenzene	0.07	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Styrene	0.1	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049

A3 - Non-Volatile Synthetic Organics			Q1	Q2	Q3	Q4	MAX	AVG	MIN
Chemical	**MCL**	**Units**		6/26/2018	9/14/2018	10/17/2018			
Alachlor	0.002	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Atrazine	0.001	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Bentazon	0.018	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Benzo(a)pyrene	0.0002	mg/L		0.000049	0.000049	0.000049	0.000049	0.000049	0.000049
Carbofuran	0.018	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Chlordane	0.0001	mg/L		0.00009	0.00009	0.00009	0.00009	0.00009	0.00009
2,4-D	0.07	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Dalapon	0.2	mg/L		0.0019	0.0019	0.00019	0.0019	0.00133	0.00019
1,2-Dibromo-3-chloropropane (DBCP)	0.0002	mg/L		0.000009	0.000009	0.000009	0.000009	0.000009	0.000009
Di(2-ethylhexyl)adipate	0.4	mg/L		0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
Di(2-ethylhexyl)phthalate	0.004	mg/L		0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
Dinoseb	0.007	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Diquat	0.02	mg/L		0	0	0	0	0	0
Endothall	0.1	mg/L		0	0	0	0	0	0
Endrin	0.002	mg/L		0.000009	0.000009	0.000009	0.000009	0.000009	0.000009
Ethylene Dibromide (EDB)	0.00005	mg/L		0.000019	0.000019	0.000019	0.000019	0.000019	0.000019
Glyphosate	0.7	mg/L		0	0	0	0	0	0
Heptachlor	0.00001	mg/L		0.000009	0.000009	0.000009	0.000009	0.000009	0.000009
Heptachlor Epoxide	0.00001	mg/L		0.000009	0.000009	0.000009	0.000009	0.000009	0.000009
Hexachlorobenzene	0.001	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Hexachlorocyclopentadiene	0.05	mg/L		0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
lindane	0.0002	mg/L		0.000009	0.000009	0.000009	0.000009	0.000009	0.000009
Methoxychlor	0.03	mg/L		0.000049	0.000049	0.000049	0.000049	0.000049	0.000049
Molinate	0.02	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Oxamyl	0.05	mg/L		0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Pentachlorophenol	0.001	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Picloram	0.5	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Polychlorinated Biphenyls	0.0005	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Simazine	0.004	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Thiobencarb	0.07	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Toxaphene	0.003	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
2,3,7,8-TCDD (Dioxin)	3x10-a	mg/L		0	0.00000000196	0.00000000433	0.00000000433	0.000000002096666667	0
2,4,5-TP (Silvex)	0.05	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
A4 - Disinfection Byproducts									
Chemical	**MCL**	**Units**							
Total Trihalomethanes (TTHM)	0.08	ppb		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Bromodichloromethane				0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Bromoform				0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Chloroform				0.00049	0.00049	0.0014	0.0014	0.0007933333333	0.00049
Dibromochloromethane				0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Haloacetic acid (five) (HAA5)	0.06	ppb		34.9	51.1	53	53	46.33333333	34.9
Monochloroacetic acid		ppb		0.9	7.5	1.5	7.5	3.3	0.9
Dichloroacetic acid		ppb		0.9	0.9	0.9	0.9	0.9	0.9
Trichloroacetic acid		ppb		0.9	0.9	0.9	0.9	0.9	0.9

ATTACHMENT B: QUARTERLY EFF

			Q1	Q2	Q3	Q4	MAX	AVG	MIN
1,1,2,2-Tetrachloroethane	0.001	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Tetrachloroethylene (PCE)	0.005	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Toluene	0.15	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1,2,4-Trichlorobenzene	0.005	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1, 1, 1-Trichloroethane	0.2	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1, 1,2-Trichloroethane	0.005	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Trichloroethylene (TCE)	0.005	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Trichlorofluoromethane	0.15	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
1, 1,2-Trichloro-1,2,2-Trifluoroethane	1.2	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Vinyl Chloride	0.0005	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Xylene (m,p)	1.75	mg/L		0.00049	0.00049	0.0009	0.0009	0.0006266666667	0.00049
Notes:									
1) Including Radium-226 but Excluding Radon and Uranium)									

A3 - Non-Volatile Synthetic Organics			Q1	Q2	Q3	Q4	MAX	AVG	MIN
Monobromoacetic acid		ppb		3.1	3.6	3.5	3.6	3.4	3.1
Dibromoacetic acid		ppb		31.8	42	48	48	40.6	31.8
Bromate121	0.01	ppb		4.9	4.9	4.9	4.9	4.9	4.9
Chlorite131	1	ppb		19.9	19.9	19.9	19.9	19.9	19.9
A5 - Secondary MCLs									
Chemical	**MCL**	**Units**							
Aluminum	0.2	mg/L		0.95	0.83	0.08	0.95	0.62	0.08
Color	150	CU		29.6	30.9	27.6	30.9	29.36666667	27.6
Copper	1	mg/L		0.0012	0.0024	0.0014	0.0024	0.001666666667	0.0012
Corrosivity	Non			AE	0.27	0.26	0.27	0.265	0.26
Foam Agents (MBAS)	0.5	mg/L		0.19	0.19	0.00019	0.19	0.12673	0.00019
Iron	0.3	mg/L		0.019	0.09	0.00003	0.09	0.03634333333	0.00003
Manganese	0.05	mg/L		0.0034	0.0037	0.0024	0.0037	0.003166666667	0.0024
Methyl-tert-butyl-ether (MTBE)	0.005	mg/L		0.00049	0.00049	0.00049	0.00049	0.00049	0.00049
Odor - Threshold	3	T.O.N.		0.9	0.9	0.9	0.9	0.9	0.9
Silver	0.1	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Thiobencarb	0.001	mg/L		0.00019	0.00019	0.00019	0.00019	0.00019	0.00019
Zinc	5	mg/L		0.012	0.016	0.0099	0.016	0.01263333333	0.0099

ATTACHMENT C: SEWAGE, SLUDGE, AND GREASE HAULING

	DATE	DAY	GAL	LOCATION	DESCRIPTION	REASON FOR HAUL	DESTINATION	HAULER
FIRST QUARTER								
	QUARTER TOTAL		0					
SECOND QUARTER								
	QUARTER TOTAL		0					

ATTACHMENT H: SEWAGE, SLUDGE, AND GREASE HAULING

THIRD QUARTER	09/11/2018	Tue	2,500	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	09/13/2018	Thu	2,500	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	09/18/2018	Tue	2,500	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	09/20/2018	Thu	2,500	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	09/25/2018	Tue	2,500	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	09/27/2018	Thu	2,500	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		15,000					
FOURTH QUARTER	10/02/2018	Tue	2,500	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	10/04/2018	Thu	2,500	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	10/09/2018	Tue	2,500	MBT	Septic Sewage & Sludge	Biological Process Control	JWPCP	Ely Jr's Pumping
	QUARTER TOTAL		7,500					

ATTACHMENT D: ANNUAL EFF

Date: 11/7/2018		Units				Units				Units
Antimony	0.9	ug/l		Trichloroethylene	0.9	ug/l		Fluoranthene	1.9	ug/l
Arsenic	1.8	ug/l		Vinyl Chloride	0.9	ug/l		Fluorene	1.9	ug/l
Beryllium	0.19	ug/l		2-Chlorophenol	4.9	ug/l		Hexachlorobenzene	1.9	ug/l
Cadmium	0.19	ug/l		2,4-Dichlorophenol	1.9	ug/l		Hexachlorobutadiene	1.9	ug/l
Chromium (III)	3.2	ug/l		2,4-Dimethylphnol	1.9	ug/l		Hexachlorocyclopentadien	1.9	ug/l
Chromium (VI)	3.3	ug/l		4,6- Dinitro-2-Methylphenol	4.9	ug/l		Hexachloroethane	1.9	ug/l
								Indeno (1,2,3-cd) pyrene	1.9	ug/l
Copper	1.4	ug/l		2,4-Dinitrophenol	1.9	ug/l		Isophorone	1.9	ug/l
Lead	0.19	ug/l		2-Nitrophenol	1.9	ug/l		Naphthalene	1.9	ug/l
Mercury	0.19	ug/l		4-Nitrophenol	9	ug/l		Nitrobenzene	1.9	ug/l
Nickel	4.9	ug/l		4-Chloro-3-Methylphenol	4.9	ug/l		N-nitrosodimethylamine	1.9	ug/l
Selenium	2	ug/l		Pentachlorophenol	9	ug/l		N-Nitrosodi-N-propylamine	1.9	ug/l
Silver	0.19	ug/l		Phenol	4.9	ug/l		Phenathrene	1.9	ug/l
Thallium	0.19	ug/l		2,4,6-Trichlorophenol	4.9	ug/l		Pyrene	1.9	ug/l
Zinc	16	ug/l		Acenaphthene	1.9	ug/l		1,2,4-Trichlorobenzene	1.9	ug/l
Cyanide	0.007	mg/l		Acenaphthylene	1.9	ug/l		Aldrin	0.0049	ug/l
Asbestos	0.19	mfl						alpha-BHC	0.0049	ug/l
2,3,7,8 TCDD	00000002096666	mg/l		Anthracene	1.9	ug/l		beta-BHC	0.0049	ug/l
Acrolein	1.9	ug/l		Benzidine	4.9	ug/l		gamma-BHC	0.009	ug/l
Acrylonitrile	1.9	ug/l		Benzo (a) pyrene	1.9	ug/l		delta-BHC	0.0049	ug/l
Benzene	0.9	ug/l		Benzo (b) fluoranthene	1.9	ug/l		Chlordane	0.09	ug/l
Bromoform	0.9	ug/l		Benzo (ghi) perylene	1.9	ug/l		4,4'-DDT	0.009	ug/l
Carbon tetrachloride	0.9	ug/l		Benzo (k) fluoranthene	1.9	ug/l		4,4'-DDE	0.009	ug/l
Chlorobenzene	0.9	ug/l		Bis (2-chloroethoxy) Methane	1.9	ug/l		4,4'-DDD	0.009	ug/l
Chlorodibromomethane	0.9	ug/l		Bis (2-chloroethyl) Ether	1.9	ug/l		Dieldrin	0.009	ug/l
Chloroethane	0.9	ug/l		Bis (2-chloroisopropyl) Ether	1.9	ug/l		alpha-Endosulfan	0.009	ug/l
2-Chloroethylvinyl Ether	4.9	ug/l		Bis (2-ethylhexyl) Phthalate	1.9	ug/l		beta-Endosulfan	0.009	ug/l
Chloroform	1	ug/l		4-Bromophenyl Phenyl Ether	1.9	ug/l		Endosulfan Sulfate	0.009	ug/l
Dichlorobromomethane	0.9	ug/l		Butylbenzyl Phthalate	1.9	ug/l		Endrin	0.009	ug/l
								Endrin Aldehyde	0.009	ug/l
1,1 Dichloroethane	0.9	ug/l		2-Chloronaphthalene	1.9	ug/l		Heptachlor	0.009	ug/l
1,2 Dichloroethane	0.9	ug/l		4-Chlorophenyl Phenyl Ether	1.9	ug/l		Heptachlor Epoxide	0.009	ug/l
1,1 Dichloroethylene	0.9	ug/l		Chrysene	1.9	ug/l		PCB (Aroclor-1016)	0.49	ug/l
1,2 Dichloropropane	0.9	ug/l		Dibenzo (ah) anthracene	1.9	ug/l		PCB (Aroclor-1221)	0.49	ug/l
1,3-dichloropropylene	0.9	ug/l		1,2-Dichlorobenzene	1.9	ug/l		PCB (Aroclor-1232)	0.49	ug/l
Ethylbenzene	0.9	ug/l		1,3-Dichlorobenzene	1.9	ug/l		PCB (Aroclor-1242)	0.49	ug/l
Methyl Bromide	1.9	ug/l		1,4-Dichlorobenzene	1.9	ug/l		PCB (Aroclor-1248)	0.49	ug/l
Methyl Chloride	1.9	ug/l		3,3'-Dichlorobenzidine	1.9	ug/l		PCB (Aroclor-1254)	0.49	ug/l
Methylene Chloride	0.9	ug/l		Diethyl Phthalate	1.9	ug/l		PCB (Aroclor-1260)	0.49	ug/l
1,2,2,2-Tetrachloroethane	0.9	ug/l		Dimethyl Phthalate	1.9	ug/l		Toxaphene	0.049	ug/l
Tetrachloroethylene	0.9	ug/l		Di-n-butyl Phthalate	1.9	ug/l				
Toluene	0.9	ug/l		2,4-Dinitrotoluene	4.9	ug/l				
1,2-Trans-Dichloroethylene	0.9	ug/l		2,6-Dinitrotoluene	4.9	ug/l				
1,1,1-Trichloroethane	0.9	ug/l		Di-n-octyl Phthalate	1.9	ug/l				
1,1,2-Trichloroethane	0.9	ug/l		1,2-Diphenylhydrazine	1.9	ug/l				

ATTACHMENT E: LEGEND

LEGEND						
	SE	Sample Error	AE	Analytical Error	###	Range Limit 2 Exceeded
	NS	No Sample	PND	Results Pending	###	Range Limit 1 Exceeded

Important Notes and Events			
Date	**Attachment**	Cell	Description
11/9/2018-11/19/2018	DataEntry	P323 - T333	No samples taken during the fires.
11/23/2018	DataEntry	AF337 - AL337	Data from WCN was used to determine the results.
Q2	Quarterly_EFF	P61	Analytical Error at the lab.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Oct-18 17:02
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0019-01) Collected: 01-Oct-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AJ80221	2	07-Oct-18 (VL)	<2 mg/l	
pH	SM4500-H-B	AJ80326	0.1	01-Oct-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ80214	0.05	02-Oct-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ80130	1.8	03-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ80130	1.8	03-Oct-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/8/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0019-01

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/01/18	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	BOD	Grab	AQ	1L P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez	10/01/18	
Received by		Cuate (VC)	10/1/18	1230
Relinquished by		Cuate (JM)	10/1/18	1400
Received by				
Relinquished by				
Received in lab by		VC	10.1.18	1400

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means those Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound to these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided therein are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the "Litigation Expenses") and awards arising in favor of Client or any third party, as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and charge, by among out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

This WCN report data was utilized for MCC weekly EFF results 20181002_mcc_weekly_eff.

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

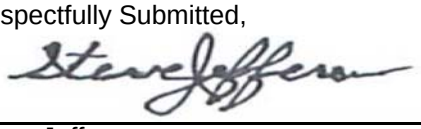
Attention: Ric Vardel
Report Date: 08-Oct-18 17:17
Subject: (WCN) Weekly EFF

Project/P.O.#: (WCN) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0066-01) Collected: 02-Oct-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AJ80324	2	08-Oct-18 (SGS)	4 mg/l	
Oil & Grease (HEM)	EPA 1664A	AJ80328	5	04-Oct-18 (WW)	<5 mg/l	
pH	SM4500-H-B	AJ80326	0.1	02-Oct-18 (SS)	7.3 pH Units	
Total Suspended Solids	SM 2540D	AJ80409	1	04-Oct-18 (EA)	1 mg/l	
Turbidity	EPA 180.1	AJ80332	0.1	03-Oct-18 (SGS)	0.2 NTU	
Enterococcus	SM 9230D	AJ80225	1.0	03-Oct-18 (JC)	<1.0 MPN/100 ml	
Fecal Coliforms	SM 9221E	AJ80225	1.8	04-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ80225	1.8	04-Oct-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/8/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0066

Project: **(WCN) Weekly EFF**

Customer: IPC, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Sampled by: Golan Kfir
Report Attention: Ric Vardel / Golan Kfir

P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/2/18	12:30	1	pH, TSS, BOD, Turbidity	Grab	AQ	1/2 gal	4°C	
	"	"	1	Oil & Grease	Grab	AQ	1L G	HC	
	~	~	2	T.Coli., F.Coli., Entero.	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100001580

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	10/2/18	
Received by	Dan/Lum PCL	10/2/18	1415
Relinquished by	Dan/Lum PCL	10/2/18	1552
Received by			
Relinquished by			
Received in lab by	PCL	10-2-18	1552

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (TLAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Majeure

be responsible for delay or failure to perform
ant to this agreement due to causes

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software processes or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all Liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by all and by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law of one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or "agency" fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the solicitation to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

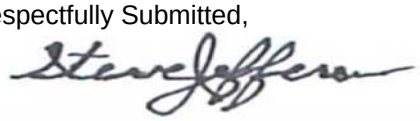
Attention: Ric Vardel
Report Date: 15-Oct-18 16:25
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0100-01) Collected: 03-Oct-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AJ80414	2	09-Oct-18 (SGS)	7 mg/l	
pH	SM4500-H-B	AJ80622	0.1	03-Oct-18 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ80418	0.05	04-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ80322	1.8	05-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ80322	1.8	05-Oct-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18)0100

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/03/18	1215	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	BOD	Grab	AQ	1L P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/03/18	
Received by			10/3/18	1520
Relinquished by			10/3/18	1520
Received by				1600
Relinquished by				
Received in lab by			10.3.18	16:00

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab / Comp	HC - HCl
Matrix	HS - H_2SO_4
AQ - Water	HN - HNO_3
SO - Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
P - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), EA Waterboard (EAAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Oct-18 16:28
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0134-01) Collected: 04-Oct-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AJ80515	2	10-Oct-18 (SGS)	<2 mg/l	
pH	SM4500-H-B	AJ80622	0.1	04-Oct-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ80517	0.05	05-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ80419	1.8	06-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ80419	1.8	06-Oct-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18 J0134

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/04/18	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/04/18	
Received by	EB	Evard (M1)	10/4/18	1240
Relinquished by	EB	Evard (M1)	10/4/18	1330
Received by				
Relinquished by				
Received in lab by		PM	10-4-18	1330

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

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The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has failed to pay PCL for all services rendered, or is otherwise in breach of the agreement) subject to any disclosure ordered by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data when such standard was observed. PCL reports and information provided thereunder for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, attorneys' fees (the "Litigation Expenses") and awards arising in favor of Client or any third party as a result of, relating in any way to, arising incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or sample collection, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, or use of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption). Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, dioxins or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or credit analysis is completed is required for all new clients or client's history of payment and/or credit account has not been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or as applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing Services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to record upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (tactical is 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Oct-18 17:00
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0135-01) Collected: 04-Oct-18 By IPC						
Ammonia as N	EPA 350.1	AJ80507	0.10	05-Oct-18 (SGS)	<0.10 mg/l	
Nitrate as N	EPA 353.2	AJ80512	0.02	05-Oct-18 (LA)	1.61 mg/l	
Nitrite as N	EPA 353.2	AJ80512	0.02	05-Oct-18 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AJ80828	0.10	09-Oct-18 (LA)	0.95 mg/l	
Total Suspended Solids	SM 2540D	AJ80505	1	05-Oct-18 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0135

Customer: IPC, Inc.		**Project:** (MCC) Weekly EFF	
Address: 9297 Research Drive		**Sampled by** Carlos Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/04/18	1140	1	TSS	Grab	AQ	1L P	4°C	
	"	"	1	NH4, TKN	Grab	AQ	500 P	HS	
	"	"	1	NO2, NO3	Grab	AQ	500 P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (GPC)	10/04/18	
Received by	Evans	MI	10/4/18	1240
Relinquished by	Evans	PCI	10/4/18	1530
Received by				
Relinquished by				
Received in lab by		PCI	10/4/18	1430

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments thereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employers or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process, PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software processes or other proprietary.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to all court fees (the obligation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or client's failure, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons, 2. loss of damage to, loss of, or loss of use of property, and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence at or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the minimum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or the services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any fecal bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage term.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Oct-18 17:05
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18J0136-01) Collected: 04-Oct-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AJ80515	2	10-Oct-18 (SGS)	441 mg/l	
Total Suspended Solids	SM 2540D	AJ80505	1	05-Oct-18 (SGS)	184 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18j0136

Customer: IPC, Inc.		Project : **(MCC) Weekly INF**	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez (CPC)	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
INF	10/04/18	1050	1	TSS	Grab	AQ	1L P	4°C	
	1	1	1	BOD	Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	10/04/18	
Received by		Evans PCL	10/4/18	1240
Relinquished by		Evans PCL	10/4/18	1330
Received by				
Relinquished by				
Received in lab by		PCL	10.4.18	1530

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

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The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. Any contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

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PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

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6. Cancellation

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11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, Bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance to when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid accounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Oct-18 16:31
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0169-01) Collected: 05-Oct-18 By IPC						
pH	SM4500-H-B	AJ80622	0.1	05-Oct-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ80623	0.05	06-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ80509	1.8	07-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ80509	1.8	07-Oct-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18)0169

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/5/18	9:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
~~1~~			~~1~~	~~BOD~~	~~Grab~~	~~AQ~~	~~1L P~~	~~4°C~~	
	~	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	10/5/18	
Received by	David Lara PC	10/5/18	1235
Relinquished by	David Lara PC	10/05/18	1530
Received by			
Relinquished by			
Received in lab by	YC	10-5-18	1530

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
~~Grab~~ ~~Comp~~

Matrix
~~AQ~~ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
~~P~~ - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all Services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or by a process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data if the said standard was observed. All reports and information provided thereunder are for the exclusive use and benefit of client and/or agent. There shall be no third party beneficiaries of our reports, data or information. Client will not disclose to any third party any information concerning technical information, software, processes or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents, harmless from and against any and all claims, losses, damages, liens, demands, causes of action, costs and calculated expenses including, but not limited to, attorneys fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or to any extent caused by, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials, 1. injury, bodily harm or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Release or spill of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on said data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noticed on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Oct-18 16:34
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0180-01) Collected: 06-Oct-18 By IPC						
pH	SM4500-H-B	AJ80823	0.1	06-Oct-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ80829	0.05	06-Oct-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ80621	1.8	08-Oct-18 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ80621	1.8	08-Oct-18 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0180

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: JULIO LEAL	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	10-06-18	0830	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	10-6-18	0830
Received by			
Relinquished by	Jose L Gomez	10-6-18	1030
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? **Yes** **No**

Samples intact? **Yes** **No**

Samples properly preserved? **Yes** **No**

Samples in holding time? **Yes** **No**

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

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The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

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Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

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Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

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The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample material's provided by client or at the client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of Client and PCL agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and / or 3. Financial loss of every kind of that sort. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or by breach of contract by any indemnified person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

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17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Oct-18 16:37
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0183-01) Collected: 07-Oct-18 By IPC						
pH	SM4500-H-B	AJ80823	0.1	07-Oct-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ80829	0.05	07-Oct-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ80718	1.8	09-Oct-18 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ80718	1.8	09-Oct-18 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0183

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	10/07/18	0840	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			~~1~~	~~BOD~~	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Carl)	10/07/18	12:35
Received by		Jordan Corkery	10/07/18	12:35
Relinquished by				
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? **Yes** **No**
Samples intact? **Yes** **No**
Samples properly preserved? **Yes** **No**
Samples in holding time? **Yes** **No**

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at Client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other trade secrets.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (for litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or client a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted or at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or on any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (excluding 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

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PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Oct-18 16:39
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0211-01) Collected: 08-Oct-18 By IPC						
pH	SM4500-H-B	AJ81038	0.1	08-Oct-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ80922	0.05	09-Oct-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ80836	1.8	10-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ80836	1.8	10-Oct-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0211

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	10/8/18	11:20	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
~~BOD~~			~~1~~	~~BOD~~	~~Grab~~	~~AQ~~	~~1L P~~	~~4°C~~	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Golan IPC	10/8/18	
Received by	MT	10/8/18	1300
Relinquished by	MT	10/9/18	1445
Received by			
Relinquished by			
Received in lab by	PCL	10.9.18	1445

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
~~Grab~~
~~Comp~~

Matrix
~~AQ~~ - Water
~~SO~~ -Soil / Sludge
OT - Other

Bottle Type
~~P~~ - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, illness or death of persons 2. Loss of damage to, loss of, or loss of use of property out or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL, or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence at or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

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All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Oct-18 16:44
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0246-01) Collected: 09-Oct-18 By IPC						
pH	SM4500-H-B	AJ81038	0.1	09-Oct-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ81046	0.25	10-Oct-18 (JC)	3.8 mg/l	
Fecal Coliforms	SM 9221E	AJ80925	1.8	11-Oct-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ80925	1.8	11-Oct-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0246

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/9/18	1250	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
~~1~~			~~1~~	~~BOD~~	~~Grab~~	~~AQ~~	~~1L P~~	~~4°C~~	
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	10/9/18	1302
Received by	MARIO SANTIESTEBAN (PCL)	10/9/18	1302
Relinquished by			
Received by			
Relinquished by			
Received in lab by	PCL	10.9.18	1312

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
~~Grab~~
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and/or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care and uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (the litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or on services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analytes such as asbestos, polychlorinated biphenils, benzene or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (weather now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit acceptance has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted of at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Oct-18 16:48
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0274-01) Collected: 10-Oct-18 By IPC						
pH	SM4500-H-B	AJ81318	0.1	10-Oct-18 (JC)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ81104	0.05	11-Oct-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ81045	1.8	12-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ81045	1.8	12-Oct-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0274

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/10/18	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.2 / 20.1°C
			[redacted]	[redacted]	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	10/10/18	1514
Received by	MARIO SANTIESTEBAN (PCL)	10/10/18	1519
Relinquished by	MARIO SANTIESTEBAN (PCL)	10/10/18	1839
Received by			
Relinquished by			
Received in lab by	PCL	10-10-18	1839

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all costs fees (the Litigation Expenses) and events arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or sample collection, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

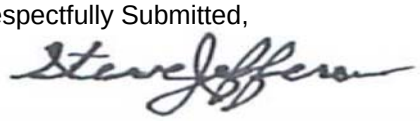
Attention: Ric Vardel
Report Date: 15-Oct-18 16:50
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0293-01) Collected: 11-Oct-18 By IPC						
pH	SM4500-H-B	AJ81318	0.1	11-Oct-18 (JC)	7.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ81209	0.05	12-Oct-18 (JC)	0.06 mg/l	
Fecal Coliforms	SM 9221E	AJ81114	1.8	13-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ81114	1.8	13-Oct-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18Ju293

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/11/18	1035	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			[redacted]		Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	10/11/18	
Received by	[illegible]	[illegible]	10/11/18	1200
Relinquished by	[illegible]	[illegible]	10/11/18	1340
Received by				
Relinquished by				
Received in lab by		YIL	10-11-18	1340

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

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"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

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The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

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6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the litigation Expenses) and awards arising in favor of client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to taxes, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees (or agents' fees) associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteriology is 8hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 16-Oct-18 13:22
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0336-01) Collected: 12-Oct-18 By IPC						
pH	SM4500-H-B	AJ81318	0.1	12-Oct-18 (JC)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ81319	0.05	13-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ81214	1.8	14-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ81214	1.8	14-Oct-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/16/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0336

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/12/18	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.1/25.2°C
			[redacted]		Grab	AQ	1L P	4°C	Cl = ND
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/12/18	1340
Received by		MARIO SAN TIESTEBAN (PCL)	10/12/18	1340
Relinquished by		MARIO SAN TIESTEBAN (PCL)	10/12/18	1547
Received by				
Relinquished by				
Received in lab by		PCL	10-12-18	1547

Sample Received Checklist

Temperature upon receipt:	4
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys fees (pre-litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, illness or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or on breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation Expenses or other fees (including, without limitation, attorney's fees, court cost, post or pre-, post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:01
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0347-01) Collected: 13-Oct-18 By IPC						
pH	SM4500-H-B	AJ82520	0.1	13-Oct-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ81525	0.05	14-Oct-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ81317	1.8	15-Oct-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ81317	1.8	15-Oct-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0347

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	10/13/18	0925	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			[redacted]	[redacted]	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	[signature]	Carlos Alvarez (SCE)	10/13/18	11:15
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	10-13-18	11:15
Received by				
Relinquished by				
Received in lab by	Jordan Corkery	Jordan Corkery	10-13-18	13:10

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

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The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

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PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of information where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software processes or other intellectual.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and fees, including reporting, but not limited to all court fees, client litigation expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement, and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, the indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law, to the extent shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or on services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on work, data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All Short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (process in 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be processed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:03
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0351-01) Collected: 14-Oct-18 By IPC						
pH	SM4500-H-B	AJ82520	0.1	14-Oct-18 (SS)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ81525	0.05	15-Oct-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ81428	1.8	17-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ81428	1.8	17-Oct-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0351

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: JULIO LEDL	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10-14-18	08:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			~~1~~	~~BOD~~	~~Grab~~	AQ	1L P	4°C	
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEDL	10-14-18	14:05
Received by	Jordan Corkery	10-14-18	14:05
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	10-14-18	1440

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract ensuing upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

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Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has fail to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law in force present. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not distribute to any third party any information concerning technical information without prior written consent of other limitations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses (including, but not limited to, attorneys' fees (the Litigation Expenses)) and asserts arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or sample taken, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons; 2. loss of, damage to, loss of, or loss of use of property; and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, or liability of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding terms. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noticed on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:06
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0374-01) Collected: 15-Oct-18 By IPC						
pH	SM4500-H-B	AJ82520	0.1	15-Oct-18 (SS)	7.1 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ81633	0.05	16-Oct-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ81534	1.8	17-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ81534	1.8	17-Oct-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1850824

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/15/18	1225	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			[redacted]	[redacted]	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (3PC)	10/15/18	
Received by			10/15/18	1240
Relinquished by			10/15/18	1321
Received by				
Relinquished by				
Received in lab by			10/16/18	1830

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

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PCL acts solely as an independent contractor in performing all services.

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PCL offers and will accept orders for services (as defined herein) only under the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgment of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

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PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered) or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data, absent client's prior written consent. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of PCL's reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and any claims expenses, including, but not limited to, all court fees, [illegible] Expenses, and awards arising in favor of Client or any third party, as a result of, and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement, except [illegible] handling, or disposal of client's hazardous materials, 1. injury, loss or death of persons 2. Loss of, damage to, use of, or loss of use of property and or 3. Errors or loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL, its employees. Further, the indemnity shall specifically apply to cover claims, demands, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any independent person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the minimum amounts permitted under applicable law. In no event shall PCL be liable to client or indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses in other laws including, without limitation, attorney's fees, court costs, and for pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at Client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time with or notice. Payment in advance or where credit is not established is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET 30 calendar days (30) days from date of invoice. To the fullest extent permitted at or will by applicable law, any amount unpaid on the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law of one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client agrees to pay reasonable costs and attorney's fees in addition to any other collection procedure or effort.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client, with consideration, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for client's account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, will not be used to relied upon, in connection with or as a part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior modification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 10 days or less samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:08
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0406-01) Collected: 16-Oct-18 By IPC						
pH	SM4500-H-B	AJ81919	0.1	16-Oct-18 (JC)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ81737	0.05	17-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ81644	1.8	19-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ81644	1.8	19-Oct-18 (JC)	2.0 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0406

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/16/18	1110	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			[redacted]	[redacted]	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (GPC)	10/16/18	
Received by	EB	Carlos M	10/16/18	1230
Relinquished by	EB	Carlos M	10/16/18	1500
Received by				
Relinquished by				
Received in lab by			10/16/18	1500

Sample Received Checklist

Temperature upon receipt: 4.8

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of client data unless such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and it is agreed there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses (including, but not limited to, all court fees, attorneys' fees and costs) arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property; and/or 3. financial loss of every kind whatsoever. This indemnity shall not apply to any of the foregoing losses, costs, damages or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including without limitation, loss of profit or business interruption. Litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacteriological analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client, in securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to enlist upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the qualification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior modification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria) (48 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:50
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0408-01) Collected: 16-Oct-18 By IPC						
Boron	EPA 200.7	AJ81640	0.10	18-Oct-18 (AF)	0.34 mg/l	
MBAS	SM 5540C	AJ81728	0.20	17-Oct-18 (VD)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AJ81729	5	17-Oct-18 (WW)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AJ81806	0.03	18-Oct-18 (LA)	0.54 mg/l	
Total Dissolved Solids	SM 2540C	AJ81820	5	19-Oct-18 (EA)	692 mg/l	
Chloride	EPA 300.0	AJ81723	1.0	17-Oct-18 (AV)	203 mg/l	
Sulfate as SO4	EPA 300.0	AJ81723	0.5	17-Oct-18 (AV)	118 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1850408

Customer: IPC, Inc.		Project: (MCC) Monthly EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/16/18	11 10	1	SO4, Cl, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/16/18	
Received by			10/16/18	1230
Relinquished by			10/16/18	1500
Received by				
Relinquished by				
Received in lab by			10/16/18	1530

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

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PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No recitals or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "Services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public domain or client has failed to pay PCL for all services rendered) or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data when such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of Client and Client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any report prepared using technical info material, software, program or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and costs (such as litigation Expenses) and expenses arising in favor of Client or any third party, as a result of, related in any way or arising incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement (except to the extent resulting in whole from the negligence or willful misconduct of PCL or its employees). Further, the indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL guides or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab hazardous analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and credit worthiness has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law, or one and one-half percent (1 ½) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or courts' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to record upon, in connection with or as part of, the publication, sale, underwriting, or distribution of any securities in any periodic, or other recording to the holders of any securities, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the solicitation to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:53
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0405-01) Collected: 16-Oct-18 By IPC						
Ammonia as N	EPA 350.1	AJ81814	0.10	18-Oct-18 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AJ81730	2	22-Oct-18 (EA)	13 mg/l	
Nitrate as N	EPA 353.2	AJ81724	0.02	17-Oct-18 (LA)	1.69 mg/l	
Nitrite as N	EPA 353.2	AJ81724	0.02	17-Oct-18 (LA)	0.03 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AJ81805	0.10	19-Oct-18 (LA)	0.89 mg/l	
Total Suspended Solids	SM 2540D	AJ81732	1	17-Oct-18 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1850405

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/16/18	1110	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	1	1	1L	1	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SPC)	10/16/18	
Received by			10/16/18	1230
Relinquished by			10/16/18	1500
Received by				
Relinquished by				
Received in lab by			10/16/18	1500

Sample Received Checklist

Temperature upon receipt: 4.4 °C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are revised to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees that it shall not let third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to, attorneys fees (the litigation expenses) and experts arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or use of use of property and/or 3. Financial loss of every kind of character. This indemnity shall apply to all of the foregoing losses, costs, damages or injuries even though the acts, negligence or willful misconduct of PCL or its employees. Further, this indemnity is to be construed against Client, client hereby releases, waives of every kind and character arising out of in connection with the negligence or in breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by adequate liability insurance coverage to be furnished by Client, which insurance shall be in the minimum amounts permitted under applicable law. In no event shall PCL be liable to Client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre and post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, Client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any person, or other recipient as the holder of any security, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

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All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

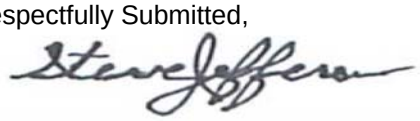
Attention: Ric Vardel
Report Date: 31-Oct-18 16:57
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18J0409-01) Collected: 16-Oct-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AJ81730	2	22-Oct-18 (EA)	208 mg/l	
Total Suspended Solids	SM 2540D	AJ81732	1	17-Oct-18 (EA)	91 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0409

Customer: IPC, Inc.		**Project:** (MCC) Weekly INF	
Address: 9297 Research Drive		**Sampled by:** Carlos Alvarez	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/16/18	1200	1	TSS	Grab	AQ	1L P	4°C	
"	"	"	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (Cartel)	10/16/18	
Received by			10/16/18	1230
Relinquished by			10/16/18	1500
Received by				
Relinquished by				
Received in lab by			10/16/18	1500

Sample Received Checklist

Temperature upon receipt: ice

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and may or may not be owners, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or replaced from time to time by PCL.

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PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing, which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use accepted methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or its client's recipient and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or it the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or governmental, PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for loss of any confidential data where such standard was adhered to. PCL reports are released to and is provided there only for the exclusive use and benefit of client and client agrees that it shall not to third party beneficiary of our reports, data or information. Client will not disclose to any third party any technical information or methods, software, prices and or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses (including, but not limited to attorneys' fees, Litigation Expenses and penalties) arising in favor of Client or any third party, as a result of, relating in any way to, or resulting directly or indirectly in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, illness or death of persons 2. loss of, damage to, use of, or loss of use of property or 3. Fines of any kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to under claims, suits, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified parties, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified parties. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs claimed by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement except client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by a client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from clients or client's recipient shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for aerobic bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of application or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients. Once a history of payment and/or credit has been established with PCL, for those clients with an established credit account, the terms for payment of charges are net (30) days within thirty (30) days from date of invoice. To the fullest extent permitted by or allowed by applicable law, any amount unpaid within and 45 thirty (30) days is subject to interest at the rate of the maximum rate permitted by law of one and one half percent (1.5%) per month on the unpaid balances. If unpaid accounts are challenged through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by a duly authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or for, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to rely upon in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any prospectus or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded on some of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:11
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0462-01) Collected: 17-Oct-18 By IPC						
pH	SM4500-H-B	AJ81920	0.1	19-Oct-18 (JC)	6.9 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ81822	0.05	18-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ81731	1.8	19-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ81731	1.8	19-Oct-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 181016.2

Customer: IPC, Inc.
Address: 9297 Research Drive
Irvine CA 92618

Project: **(MCC) Daily EFF**
Sampled by: Carlos Alvarez
Report Attention: Ric Vardel / Golan Kfir
P.O. #:
Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/17/18	1200	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	10/17/18	
Received by	Evan (IPC)	10/17/18	1330
Relinquished by	Evan (IPC)	10/17/18	1515
Received by			
Relinquished by			
Received in lab by		10/18/18	1518

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4.6
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered, or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was used. Data and PCL reports and information provided thereto are for the exclusive use and benefits of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any identification, training, technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to all court fees (like Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall not specifically apply to taxes, client damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administration interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by clients or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at anytime without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and /or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted or as allowed by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permissible by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agency fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client or authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for Client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any [illegible] representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of [illegible] securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, ≤ 7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Dec-18 17:38
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0463-01) Collected: 17-Oct-18 By IPC						
Silver	EPA 200.8	AJ81918	0.2	24-Oct-18 (AF)	<0.2 ug/l	
Aluminum	EPA 200.8	AJ81918	5.0	24-Oct-18 (AF)	80 ug/l	
Arsenic	EPA 200.8	AJ81918	0.5	24-Oct-18 (AF)	1.6 ug/l	
Barium	EPA 200.8	AJ81918	0.5	24-Oct-18 (AF)	6.9 ug/l	
Beryllium	EPA 200.8	AJ81918	0.2	24-Oct-18 (AF)	<0.2 ug/l	
Calcium	EPA 200.7	AK80533	0.05	06-Nov-18 (AF)	41.9 mg/l	
Cadmium	EPA 200.8	AJ81918	0.2	24-Oct-18 (AF)	<0.2 ug/l	
Chromium	EPA 200.8	AJ81918	0.2	24-Oct-18 (AF)	3.8 ug/l	
Copper	EPA 200.8	AJ81918	0.2	24-Oct-18 (AF)	1.4 ug/l	
Iron	EPA 200.7	AJ82228	0.02	23-Oct-18 (AF)	0.03 mg/l	
Mercury	EPA 245.1	AJ83018	0.20	30-Oct-18 (AF)	<0.20 ug/l	
Manganese	EPA 200.8	AJ81918	0.5	24-Oct-18 (AF)	2.4 ug/l	
Nickel	EPA 200.8	AJ81918	0.5	24-Oct-18 (AF)	5.2 ug/l	
Lead	EPA 200.8	AJ81918	0.2	24-Oct-18 (AF)	<0.2 ug/l	
Antimony	EPA 200.8	AJ81918	1.0	24-Oct-18 (AF)	<1.0 ug/l	
Selenium	EPA 200.8	AJ81918	2.0	24-Oct-18 (AF)	<2.0 ug/l	
Thallium	EPA 200.8	AJ81918	1.0	24-Oct-18 (AF)	<1.0 ug/l	
Zinc	EPA 200.8	AJ81918	1.0	24-Oct-18 (AF)	9.9 ug/l	
1,2-Dibromoethane (EDB)	EPA 504.1	AJ81927	0.02	19-Oct-18 (SJ)	<0.02 ug/l	
1,2-Dibromo-3-Chloropropane (DBCP)	EPA 504.1	AJ81927	0.01	19-Oct-18 (SJ)	<0.01 ug/l	
Bis(2-ethylhexyl)phthalate	EPA 506	AJ81813	2.0	17-Nov-18 (SJ)	<2.0 ug/l	
Bis(2-ethylhexyl)adipate	EPA 506	AJ81813	2.0	17-Nov-18 (SJ)	<2.0 ug/l	
Surrogate: o-Terphenyl	*EPA 506*	*AJ81813*		*17-Nov-18 (SJ)*	*67.5 % (50-120)*	
Alachlor	EPA 507	AI81722	0.2	19-Oct-18 (SJ)	<0.2 ug/l	
Atrazine	EPA 507	AI81722	0.2	19-Oct-18 (SJ)	<0.2 ug/l	
Molinate	EPA 507	AI81722	0.2	19-Oct-18 (SJ)	<0.2 ug/l	
Simazine	EPA 507	AI81722	0.2	19-Oct-18 (SJ)	<0.2 ug/l	
Thiobencarb (Bolero)	EPA 507	AI81722	0.2	19-Oct-18 (SJ)	<0.2 ug/l	

Respectfully Submitted,

Steve Jefferson 12/20/2018
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Dec-18 17:38
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0463-01) Collected: 17-Oct-18 By IPC						
Surrogate: 1,3-Dimethyl-2-nitrobenze	*EPA 507*	*AI81722*		*19-Oct-18 (SJ)*	*68.7 % (40-120)*	
Gamma-BHC(Lindane)	EPA 508	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Heptachlor	EPA 508	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Heptachlor Epoxide	EPA 508	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Endrin	EPA 508	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Methoxychlor	EPA 508	AJ81816	0.05	21-Nov-18 (SJ)	<0.05 ug/l	
Hexachlorocyclopentadiene	EPA 508	AJ81816	1.0	21-Nov-18 (SJ)	<1.0 ug/l	
Hexachlorobenzene	EPA 508	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Chlordane	EPA 508	AJ81816	0.1	21-Nov-18 (SJ)	<0.1 ug/l	
Toxaphene	EPA 508	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Aroclor 1016	EPA 508	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Aroclor 1221	EPA 508	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Aroclor 1232	EPA 508	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Aroclor 1242	EPA 508	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Aroclor 1248	EPA 508	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Aroclor 1254	EPA 508	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Aroclor 1260	EPA 508	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Surrogate: Tetrachloro-m-xylene	*EPA 508*	*AJ81816*		*21-Nov-18 (SJ)*	*57.5 % (50-120)*	
Surrogate: Decachlorobiphenyl	*EPA 508*	*AJ81816*		*21-Nov-18 (SJ)*	*85.0 % (50-120)*	
Bentazon	EPA 515.1	AJ82921	0.2	28-Nov-18 (SJ)	<0.2 ug/l	
2,4-D	EPA 515.1	AJ82921	0.2	28-Nov-18 (SJ)	<0.2 ug/l	
Dalapon	EPA 515.1	AJ82921	2.0	28-Nov-18 (SJ)	<2.0 ug/l	
Dinoseb	EPA 515.1	AJ82921	0.2	28-Nov-18 (SJ)	<0.2 ug/l	
Pentachlorophenol (PCP)	EPA 515.1	AJ82921	0.2	28-Nov-18 (SJ)	<0.2 ug/l	
Picloram	EPA 515.1	AJ82921	0.2	28-Nov-18 (SJ)	<0.2 ug/l	
2,4,5-TP	EPA 515.1	AJ82921	0.2	28-Nov-18 (SJ)	<0.2 ug/l	
Surrogate: 2,4-DCAA	*EPA 515.1*	*AJ82921*		*28-Nov-18 (SJ)*	*105 % (60-140)*	

Respectfully Submitted,

Steve Jefferson 12/20/2018
Laboratory Director

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Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Dec-18 17:38
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0463-01) Collected: 17-Oct-18 By IPC						
Benzene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
Bromodichloromethane	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
Bromoform	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
Carbon tetrachloride	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
c-1,3-Dichloropropene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
cis-1,2-Dicholoroethene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
Chlorobenzene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
Chloroform	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	1.4 ug/l	
Dibromochloromethane	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
1,2-Dichlorobenzene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
1,4-Dichlorobenzene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
1,2-Dichloroethane	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
1,1-Dichloroethane	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
1,3-Dichloropropane	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
1,2-Dichloropropane	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
Ethylbenzene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
Methyl tert-butyl ether	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
Methylene chloride	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
Styrene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
t-1,2-Dichloroethene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
t-1,3-Dichloropropene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
1,1,2,2-Tetrachloroethane	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
Tetrachloroethene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
Toluene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
1,2,4-Trichlorobenzene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
1,1,1-Trichloroethane	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
1,1,2-Trichloroethane	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
Trichloroethene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
Trichlorofluoromethane (Freon 11)	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	

Respectfully Submitted,

Steve Jefferson 12/20/2018
Laboratory Director

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San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 20-Dec-18 17:38
Subject: (MCC) Quarterly

Project/P.O.#: (MCC) Quarterly

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0463-01) Collected: 17-Oct-18 By IPC						
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
Vinyl chloride	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
o-Xylene	EPA 524.2	AJ83025	0.5	30-Oct-18 (SJ)	<0.5 ug/l	
m,p-Xylene	EPA 524.2	AJ83025	1.0	30-Oct-18 (SJ)	<1.0 ug/l	
Surrogate: Dibromofluoromethane	*EPA 524.2*	*AJ83025*		*30-Oct-18 (SJ)*	*104 % (80-120)*	
Surrogate: Toluene-d8	*EPA 524.2*	*AJ83025*		*30-Oct-18 (SJ)*	*94.3 % (80-120)*	
Surrogate: Bromofluorobenzene	*EPA 524.2*	*AJ83025*		*30-Oct-18 (SJ)*	*91.2 % (80-120)*	
Carbofuran	EPA 632	AI81733	0.5	23-Oct-18 (SJ)	<0.5 ug/l	
Oxamyl	EPA 632	AI81733	1.0	23-Oct-18 (SJ)	<1.0 ug/l	
Chloroacetic Acid	EPA 552.2	AJ82441	1.0	07-Nov-18 (SJ)	1.5 ug/l	
Bromoacetic Acid	EPA 552.2	AJ82441	1.0	07-Nov-18 (SJ)	3.5 ug/l	
Dichloroacetic Acid	EPA 552.2	AJ82441	1.0	07-Nov-18 (SJ)	<1.0 ug/l	
Trichloroacetic Acid	EPA 552.2	AJ82441	1.0	07-Nov-18 (SJ)	<1.0 ug/l	
Dibromoacetic Acid	EPA 552.2	AJ82441	10.0	07-Nov-18 (SJ)	48.0 ug/l	
Haloacetic Acids (HAA5)	EPA 552.2	AJ82441	1.0	07-Nov-18 (SJ)	53.0 ug/l	
Surrogate: 2,3-Dibromopropionic Acid	*EPA 552.2*	*AJ82441*		*07-Nov-18 (SJ)*	*68.2 % (60-140)*	
Benzo (a) pyrene	EPA 550	AI81927	0.05	24-Oct-18 (SJ)	<0.05 ug/l	
Surrogate: Decafluorobiphenyl	*EPA 550*	*AI81927*		*24-Oct-18 (SJ)*	*73.3 % (45-120)*	
Cyanide (total)	SM 4500-CN-E	AJ81809	0.005	19-Oct-18 (LA)	0.009 mg/l	
MBAS	SM 5540C	AJ81810	0.20	18-Oct-18 (PL)	<0.20 mg/l	
pH	SM4500-H-B	AJ81920	0.1	17-Oct-18 (SJ)	7.6 pH Units	A-01
Total Alkalinity	SM 2320B	AK80635	1	07-Nov-18 (EA)	122 mg/l	
Carbonate Alkalinity	SM 2320B	AK80635	1	07-Nov-18 (EA)	<1 mg/l	
Bicarbonate Alkalinity	SM 2320B	AK80635	1	07-Nov-18 (EA)	122 mg/l	
Hydroxide Alkalinity	SM 2320B	AK80635	1	07-Nov-18 (EA)	<1 mg/l	
Color	SM 2120 C	AJ81808	5.0	18-Oct-18 (LA)	27.6 CU	
Specific Conductance (EC)	SM 2510B	AK80636	0.1	07-Nov-18 (EA)	1300 uS/cm	
Odor	SM 2150B	AK80124	1	17-Oct-18 (SJ)	<1 T.O.N.	

Respectfully Submitted,

Steve Jefferson 12/20/2018
Laboratory Director

PAT-CHEM
LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
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PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0463-01) Collected: 17-Oct-18 By IPC						
Bromate	EPA 300.0	AJ81826	5.0	18-Oct-18 (SJ)	<5.0 ug/l	
Chlorite	EPA 300.0	AJ81826	20.0	18-Oct-18 (SJ)	<20.0 ug/l	
Fluoride	EPA 300.0	AJ81904	0.10	19-Oct-18 (AV)	0.70 mg/l	

Notes and Definitions

A-01 Langelier Index = -0.26 (Non-Corrosive)

Respectfully Submitted,

Steve Jefferson 12/20/2018
Laboratory Director

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321824195
Customer ID: PTCM42
Customer PO:
Project ID:

Attn: Steve Jefferson
Pat Chem Laboratories
1824 1st St
San Fernando, CA 91340

Phone: (805) 532-0012
Fax:
Collected: 10/17/2018
Received: 10/19/2018
Analyzed: 11/01/2018

Proj: 18J0463

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
							MFL (million fibers per liter)		
18J0463-01 321824195-0001	10/30/2018 03:40 PM	100	1288	0.0645	None Detected	ND	0.20	<0.20	0.00 - 0.74

Sample ozonated prior to analysis due to lab receipt time exceeding 48hr method hold time.

Analyst(s)
Feng Liang (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 11/01/2018 19:59:31

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

November 07, 2018

Pat-Chem Laboratories
1824 1st St.
San Fernando, CA 93340

Attn: Theresa Trevizo

Order No.: 1810385
Invoice No.: 143144
PO No.:
ELAP No.1247-Expires July 2020

RE: 18J0463

SAMPLE IDENTIFICATION

Fraction	Client Sample Description
01A	18J0463-01
01B	18J0463-01
01C	18J0463-01

ND = Not Detected at the Reporting Limit

Limit = Reporting Limit

Flag = Explanation in Case Narrative

All solid results are expressed on a wet-weight basis unless otherwise noted.

Approved for release by:

Roxanne Moore, Project Manager

Date: 07-Nov-2018
WorkOrder: 1810385

CASE NARRATIVE

S1: The surrogate recovery was below the lower acceptance limit. The surrogate recoveries for the quality control samples were within acceptance limits. This indicates the low recovery may be due to matrix effects from the sample.

EPA 549.2:
Diquat strongly adsorbs to soil particles that are suspended in water. The strong chemical bonds make the herbicide chemically inactive. When bound with soil particles, the extraction procedure for method EPA 549.2 is ineffective at isolating the bound diquat. Any reported diquat represents the dissolved analyte in the water that has not been bound to the soil particles.

Date: 07-Nov-2018
WorkOrder: 1810385

ANALYTICAL REPORT

Client Sample ID: 18J0463-01
Lab ID: 1810385-01A

Received: 10/22/2018
Collected: 10/17/2018 11:50

Test Name: Glyphosate **Reference:** EPA 547

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Glyphosate	ND		5.0	µg/L	1.0	10/29/2018	10/29/2018

Client Sample ID: 18J0463-01
Lab ID: 1810385-01B

Received: 10/22/2018
Collected: 10/17/2018 11:50

Test Name: EPA 549.2 **Reference:** EPA 549.2

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Diquat (dissolved)	ND		0.40	µg/L	1.0	10/24/2018	10/30/2018

Client Sample ID: 18J0463-01
Lab ID: 1810385-01C

Received: 10/22/2018
Collected: 10/17/2018 11:50

Test Name: Endothall **Reference:** EPA 548.1

Parameter	Result	Flag	Limit	Units	DF	Extracted	Analyzed
Endothall	ND		45	µg/L	1.0	10/24/2018	11/1/2018
Surrogate: 2,3-D	65.1	S1	78-117	% Rec	1.0	10/24/2018	11/1/2018

North Coast Laboratories, Ltd.

Date: 11/7/2018

CLIENT: Pat-Chem Laboratories
Work Order: 1810385
Project: 18J0463

QC SUMMARY REPORT

Method Blank

Sample ID **MB-102918** Batch ID: **R97303** Test Code: **547W** Units: **µg/L** Analysis Date **10/29/2018 6:07:08 PM** Prep Date **10/29/2018**
Client ID: Run ID: **ORLC9_181029A** SeqNo: **1384208**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	ND	5.0									

Sample ID **MB-36668** Batch ID: **36668** Test Code: **548W** Units: **µg/L** Analysis Date **11/1/2018 3:27:43 PM** Prep Date **10/24/2018**
Client ID: Run ID: **ORGC14_181101A** SeqNo: **1384706**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	ND	45									
Surrogate: 2,3-D	215	0.10	250	0	86.1%	78	117	0			

Sample ID **MB-36671** Batch ID: **36671** Test Code: **549W** Units: **µg/L** Analysis Date **10/30/2018 2:07:18 PM** Prep Date **10/24/2018**
Client ID: Run ID: **ORLC8_181030A** SeqNo: **1384514**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	ND	0.40									

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

North Coast Laboratories, Ltd.

Date: 11/7/2018

CLIENT: Pat-Chem Laboratories
Work Order: 1810385
Project: 18J0463

QC SUMMARY REPORT

Laboratory Control Spike

Sample ID **LCS-102918** Batch ID: **R97303** Test Code: **547W** Units: **µg/L** Analysis Date **10/29/2018 6:28:54 PM** Prep Date **10/29/2018**
Client ID: Run ID: **ORLC9_181029A** SeqNo: **1384209**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	53.24	5.0	50.0	0	106%	80	118	0			

Sample ID **LCSD-102918** Batch ID: **R97303** Test Code: **547W** Units: **µg/L** Analysis Date **10/29/2018 6:50:41 PM** Prep Date **10/29/2018**
Client ID: Run ID: **ORLC9_181029A** SeqNo: **1384210**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Glyphosate	53.35	5.0	50.0	0	107%	80	118	53.2	0.207%	30	

Sample ID **LCS-36668** Batch ID: **36668** Test Code: **548W** Units: **µg/L** Analysis Date **11/1/2018 3:48:43 PM** Prep Date **10/24/2018**
Client ID: Run ID: **ORGC14_181101A** SeqNo: **1384707**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	213.4	45	225	0	94.9%	61	114	0			
Surrogate: 2,3-D	220	0.10	250	0	88.0%	78	117	0			

Sample ID **LCSD-36668** Batch ID: **36668** Test Code: **548W** Units: **µg/L** Analysis Date **11/1/2018 4:09:43 PM** Prep Date **10/24/2018**
Client ID: Run ID: **ORGC14_181101A** SeqNo: **1384708**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endothall	223.0	45	225	0	99.1%	61	114	213	4.39%	30	
Surrogate: 2,3-D	213	0.10	250	0	85.1%	78	117	220	3.35%	30	

Sample ID **LCS-36671** Batch ID: **36671** Test Code: **549W** Units: **µg/L** Analysis Date **10/30/2018 2:28:45 PM** Prep Date **10/24/2018**
Client ID: Run ID: **ORLC8_181030A** SeqNo: **1384515**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.705	0.40	2.00	0	85.2%	70	130	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Pat-Chem Laboratories
Work Order: 1810385
Project: 18J0463

QC SUMMARY REPORT
Laboratory Control Spike Duplicate

Sample ID **LCSD-36671** Batch ID: **36671** Test Code: **549W** Units: **µg/L** Analysis Date **10/30/2018 2:50:12 PM** Prep Date **10/24/2018**
Client ID: Run ID: **ORLC8_181030A** SeqNo: **1384516**

Analyte	Result	Limit	SPK value	SPK Ref Val	% Rec	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diquat (dissolved)	1.769	0.40	2.00	0	88.4%	70	130	1.70	3.68%	30	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

1810385

SUBCONTRACT ORDER

Pat-Chem Laboratories

18J0463

SENDING LABORATORY:

Pat-Chem Laboratories
1824 1st Street
San Fernando, Ca 91340
Phone: (818)639-5300
Fax: (818)639-5309
Project Manager: Theresa Trevizo

RECEIVING LABORATORY:

North Coast Laboratories
5680 W End Road
Arcata, CA 95521
Phone :(707) 822-4649
Fax: (707) 822-6831

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 18J0463-01 **Water**	**Sampled: 17-Oct-18 11:50**			**MCC Quarterly**
Glyphosate 547	01-Nov-18 12:00	31-Oct-18 11:50		
549 Diquat	01-Nov-18 12:00	24-Oct-18 11:50		
548.1 Endothall	01-Nov-18 12:00	24-Oct-18 11:50		
Containers Supplied:				

Released By	Date	Received By	Date
R Lato	10/18/18	Jessica Dille	10/22/18

November 27, 2018

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Lab ID : SP 1813991
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 7 pages divided into 3 sections:

Case Narrative	(2 pages)	: An overview of the work performed at FGL.
Sample Results	(2 pages)	: Results for each sample submitted.
Quality Control	(3 pages)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
18J0463-01	10/17/2018	10/19/2018	SP 1813991-001	W

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Metals QC

200.8	11/03/2018:216194 All analysis quality controls are within established criteria.
	11/03/2018:213123 All preparation quality controls are within established criteria, except: The following note applies to Uranium: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Radio QC

900.0	11/16/2018:216884 All analysis quality controls are within established criteria.
	11/12/2018:213354 All preparation quality controls are within established criteria, except: The following note applies to Gross Beta: 435 Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
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CA ELAP Certification No. 1573

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2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

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Chico, CA 95926
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TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

November 27, 2018 Lab ID : SP 1813991
Pat-Chem Laboratories Customer : 2-12670

Radio QC

903.0	11/19/2018:216977 All analysis quality controls are within established criteria.
	11/11/2018:213420 All preparation quality controls are within established criteria.
905.0	11/19/2018:217007 All analysis quality controls are within established criteria.
	11/06/2018:213241 All preparation quality controls are within established criteria.
906.0	10/30/2018:216000 All analysis quality controls are within established criteria.
	10/29/2018:212758 All preparation quality controls are within established criteria.
Ra - 05	11/24/2018:217242 All analysis quality controls are within established criteria.
	11/11/2018:213182 All preparation quality controls are within established criteria.

Inorganic - Wet Chemistry QC

314.0	10/27/2018:215021 All analysis quality controls are within established criteria.
	10/26/2018:212897 All preparation quality controls are within established criteria.

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2018-11-27

November 27, 2018

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Description : 18J0463-01
Project : 18J0463

Lab ID : SP 1813991-001
Customer ID : 2-12670

Sampled On : October 17, 2018-11:50
Sampled By : Not Available
Received On : October 19, 2018-12:29
Matrix : Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation Method	Sample Preparation Date/ID	Sample Analysis Method	Sample Analysis Date/ID
Metals, Total								
Uranium	0.4	0.2	ug/L		200.8	11/03/18:213123	200.8	11/03/18:216194
Wet Chemistry								
Perchlorate	ND	2	ug/L		314.0	10/26/18:212897	314.0	10/27/18:215021

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

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FAX: (209)942-0423
CA ELAP Certification No. 1563

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Chico, CA 95926
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FAX: (530)343-3807
CA ELAP Certification No. 2670

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San Luis Obispo, CA 93401
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FAX: (805)783-2912
CA ELAP Certification No. 2775

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FAX: (559)734-8435
CA ELAP Certification No. 2810

November 27, 2018

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Description : 18J0463-01
Project : 18J0463

Lab ID : SP 1813991-001
Customer ID : 2-12670

Sampled On : October 17, 2018-11:50
Sampled By : Not Available
Received On : October 19, 2018-12:29
Matrix : Water

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry								
Gross Alpha	0.000 ± 1.13	1.90	pCi/L	15/5	900.0	11/12/18-9::30 2P1813354	900.0	11/16/18-16:02 2A1816884
Gross Beta	21.3 ± 2.41	2.44	pCi/L	50	900.0	11/12/18-9::30 2P1813354	900.0	11/16/18-16:02 2A1816884
Strontium 90	0.097 ± 0.301	0.546	pCi/L	8	905.0	11/06/18-18:20 2P1813241	905.0	11/19/18-17:20 2A1817007
Total Alpha Radium (226)	0.000 ± 0.073	0.274	pCi/L	3	903.0	11/11/18-11:00 2P1813420	903.0	11/19/18-14:32 2A1816977
Tritium	40.4 ± 270	434	pCi/L	20000	906.0	10/29/18-12:35 2P1812758	906.0	10/30/18-13:56 2A1816000
Ra 228	0.170 ± 0.850	0.506	pCi/L	2	Ra - 05	11/11/18-19:00 2P1813182	Ra - 05	11/24/18-14:00 2A1817242

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.
MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).
AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following
If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:
Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L
Uranium is less than or equal to 20 pCi/L
Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

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FAX: (559)734-8435
CA ELAP Certification No. 2810

November 27, 2018 Lab ID : SP 1813991
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Metals								
Uranium	200.8		MS	ug/L	5.000	59.9 %	75-125	435
		(CH 1879306-001)	MSD	ug/L	5.000	69.9 %	75-125	435
			MSRPD	ug/L	5.000	14.9%	≤20	
	200.8	11/03/18:216194AC	CCV	ppb	120.0	94.3 %	90-110	
			CCB	ppb		0.001	0.2	
			CCV	ppb	120.0	92.6 %	90-110	
			CCB	ppb		0.001	0.2	
Wet Chem								
Perchlorate	314.0	10/26/18:212897MCA	Blank	ug/L		ND	<2	
			LCS	ug/L	25.00	100 %	85-115	
			MS	ug/L	25.00	96.8 %	80-120	
		(SP 1813854-001)	MSD	ug/L	25.00	88.8 %	80-120	
			MSRPD	ug/L	25.00	8.0%	≤15	
		(SP 1813854-001)	Dup	ug/L		0.48	2	
	314.0	10/27/18:215021MCA	CCB	ppb		0.50	2.0	
			CCV	ppb	10.00	103 %	85-115	
			CCB	ppb		0.00	2.0	
			CCV	ppb	20.00	100 %	85-115	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
Dup	: Duplicate Sample - A random sample with each batch is prepared and analyzed in duplicate. The relative percent difference is an indication of precision for the preparation and analysis.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

Explanation

435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

Corporate Offices & Laboratory
853 Corporation Street
Santa Paula, CA 93060
TEL: (805)392-2000
Env FAX: (805)525-4172 / Ag FAX: (805)392-2063
CA ELAP Certification No. 1573

Office & Laboratory
2500 Stagecoach Road
Stockton, CA 95215
TEL: (209)942-0182
FAX: (209)942-0423
CA ELAP Certification No. 1563

Office & Laboratory
563 E. Lindo Avenue
Chico, CA 95926
TEL: (530)343-5818
FAX: (530)343-3807
CA ELAP Certification No. 2670

Office & Laboratory
3442 Empresa Drive, Suite D
San Luis Obispo, CA 93401
TEL: (805)783-2940
FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

November 27, 2018 Lab ID : SP 1813991
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	11/16/18:216884AAT	CCV	cpm	8383	41.4 %	35-47	
			CCB	cpm		0.0600	0.12	
Beta	900.0	11/16/18:216884AAT	CCV	cpm	8383	82.9 %	83-94	
			CCB	cpm		0.4600	1.03	
Gross Alpha	900.0	11/12/18:213354IWC	Blank	pCi/L		0.29	3	
			LCS	pCi/L	130.0	93.2 %	75-125	
			MS	pCi/L	130.0	123 %	60-140	
		(SP 1814769-001)	MSD	pCi/L	130.0	111 %	60-140	
			MSRPD	pCi/L	130.0	9.8%	≤30	
Gross Beta	900.0	11/12/18:213354IWC	Blank	pCi/L		-1.43	4	
			LCS	pCi/L	69.68	130 %	84-160	
			MS	pCi/L	69.68	68.6 %	80-130	435
		(SP 1814769-001)	MSD	pCi/L	69.68	85.5 %	80-130	
			MSRPD	pCi/L	130.0	21.3%	≤30	
Alpha	903.0	11/19/18:216977AAT	CCV	cpm	8381	40.2 %	37-46	
			CCB	cpm		0.0400	0.12	
Total Alpha Radium (226)	903.0	11/11/18:213420emv	RgBlk	pCi/L		0.05	2	
			LCS	pCi/L	21.78	76.6 %	52-107	
			BS	pCi/L	21.78	71.1 %	43-111	
			BSD	pCi/L	21.78	59.4 %	43-111	
			BSRPD	pCi/L	21.78	18.0%	≤35.5	
Beta	905.0	11/19/18:217007emv	CCV	cpm	8381	90.3 %	85-93	
			CCB	cpm		0.4400	0.58	
Total Strontium	905.0	11/06/18:213241emv	RgBlk	pCi/L		0.28	2	
			LRS	pCi/L	17.73	94.5 %	53-133	
			BS	pCi/L	17.71	89.1 %	75-125	
			BSD	pCi/L	17.71	93.6 %	75-125	
			BSRPD	pCi/L	17.71	4.9%	≤20	
Tritium	906.0	10/29/18:212758aat	Blank	pCi/L		172	<300	
			LCS	pCi/L	1704	100 %	75-125	
			BS	pCi/L	1704	83.6 %	75-125	
			BSD	pCi/L	1704	101 %	75-125	
			BSRPD	pCi/L	1704	17.1%	≤25	
	906.0	10/30/18:216000aat	CCV	pCi/L	26740	103 %	90-110	
			CCB	pCi/L		197	500	
Beta	Ra - 05	11/24/18:217242emv	CCV	cpm	8377	88.8 %	84-94	
			CCB	cpm		0.4000	0.58	
Ra 228	Ra - 05	11/11/18:213182emv	RgBlk	pCi/L		0.06	3	
			LRS	pCi/L	30.86	69.3 %	65-108	
			BS	pCi/L	30.86	94.2 %	75-125	
			BSD	pCi/L	30.86	95.1 %	75-125	
			BSRPD	pCi/L	30.86	0.9%	≤25	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
RgBlk	: Method Reagent Blank - Prepared to correct for any reagent contributions to sample result.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
LRS	: Laboratory Recovery Standard - Prepared to establish the batch recovery factor used in result calculations.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
BS	: Blank Spikes - A blank is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.

November 27, 2018 Lab ID : SP 1813991

Pat-Chem Laboratories Customer : 2-12670

Quality Control - Radio

Definition	
BSD	: Blank Spike Duplicate of BS/BSD pair - A blank duplicate is spiked with a known amount of analyte. It is prepared to verify that the preparation process is not affecting analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
BSRPD	: BS/BSD Relative Percent Difference (RPD) - The BS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.
Explanation	
435	: Sample matrix may be affecting this analyte. Data was accepted based on the LCS or CCV recovery.

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

October 29, 2018 Ceres ID: 12408

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

The following report contains the results for the one aqueous sample received on October 22, 2017. This sample was analyzed for 2,3,7,8-TCDD by EPA 1613B. Routine turn-around time was provided for this work.

This work was authorized under Pat-Chem Laboratories' Project # 18J0463.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,

James M. Hedin
Director of Operations/CEO
jhedin@ceres-lab.com

Section I: Sample Inventory

Ceres Sample ID:	Sample ID	Date Received	Collection Date	&Time
12408-001	18J0463-01	10/22/2018	10/17/2018	11:50

Section II: Data Summary

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Method Blank**		**Date Received:** NA
	QC Batch #: 1880	**Date Extracted:** 10/24/2018
	Matrix: Aqueous	**ZB-5MS Analysis:** 10/27/2018
Project ID: 18J0463	**Sample Size:** 1.000 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 3.06	1.49	5.00		13C-2378-TCDD	98.5	31-137	
					CRS			
					37Cl4-2378-TCDD	101	35-197	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Quality Assurance Sample **Ongoing Precision and Recovery**		**Date Received:** NA
	QC Batch #: 1880	**Date Extracted:** 10/24/2018
	Matrix: Aqueous	**ZB-5MS Analysis:** 10/27/2018
Project ID: 18J0463	**Sample Size:** 1.000 L	

Analyte	Conc. (ng/mL)	Limits (a)	Labeled Standards	% Rec.	Limits (a)
2,3,7,8-TCDD	DL= 9.53	7.3-14.6	13C-2378-TCDD	99.6	25-141
			CRS		
			37Cl4-2378-TCDD	102	37-158
			(a) Limits based on method acceptance criteria.		

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

EPA Method 1613B

Client Sample ID: 18J0463-01		
Project ID: 18J0463	**Ceres Sample ID:** 12408-001	**Date Received:** 10/22/2018
	QC Batch #: 1880	**Date Extracted:** 10/24/2018
Date Collected: 10/17/2018	**Matrix:** Aqueous	**ZB-5MS Analysis:** 10/27/2018
Time Collected: 11:50	**Sample Size:** 0.979 L	

Analyte	Conc. (pg/L)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	DL= 4.33	1.49	5.11		13C-2378-TCDD	67.5	31-137	
					CRS			
					37Cl4-2378-TCDD	91.4	42-164	

DL - Signifies Non-Detect (ND) at sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit

Analyst: JMH **Reviewed by: BS**

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18D463

Customer: IPC, Inc.		Project: (MCC) Quarterly EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/17/18	1150	1	Ag, Al, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Mg, Hg, Ni, Se, Tl, Zn	Grab	AQ	1L P	HN	
			1	F, Bromate, Chlorite, Color, Odor, pH	Grab	AQ	1L P	4°C	
			1	CN	Grab	AQ	250 P	OH, AA	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Perchlorate	Grab	AQ	500 P	4°C	
			8	524, 504, 552, 552.2,	Grab	AQ	VOA	4°C	
			6	507, 515, 632, 508, 550, 506,	Grab	AQ	1L G	4°C	
			5	Asbestos, Diquat, Endothall, Glphosate, Dioxon- 2,3,7,8 TCCD	Grab	AQ	1L G	4°C	
			6	Radioactive - Radium-226 & 228, Gross Alpha, Gross Beta, Strontium-90 Tritium,	Grab	AQ	1L G	4°C	
			1	Uranium	Grab	AQ	1L G	4°C	

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Alvarez	Carlos Alvarez (IPC)	10/17/18	
Received by	Ele Cuyle	M	10/17/18	1303
Relinquished by	Ele Cuyle	M	10/17/18	1515
Received by				
Relinquished by				
Received in lab by	M	M	10/17/18	1515

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Soil - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

[illegible]

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

[illegible]

[illegible]

For purposes of this agreement, "services" [illegible] all equipment and materials to be furnished by PCL.

4. Limit of Liability

[illegible]

5. Clients Responsibility

[illegible]

6. Cancellation

[illegible]

7. Overriding Agreement

[illegible]

8. Force Majeure

[illegible]

9. Confidentiality

[illegible]

10. Hold Harmless

[illegible]

11. Hazardous Substances

[illegible]

12. Prices/Payments

[illegible]

13. Agreement Modification

[illegible]

14. No Third Party Beneficiaries: No Right of Reliance

[illegible]

15. Rush Analysis

[illegible]

16. Holding Times

[illegible]

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is on request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Extraordinary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

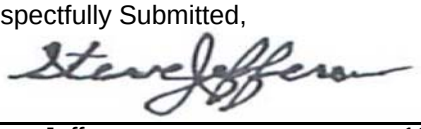
Attention: Ric Vardel
Report Date: 31-Oct-18 16:17
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0492-01) Collected: 18-Oct-18 By IPC						
pH	SM4500-H-B	AJ81921	0.1	18-Oct-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ81915	0.05	19-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ81818	1.8	20-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ81818	1.8	20-Oct-18 (JC)	2.0 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1800492

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	10/18/18	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			[redacted]	[redacted]	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/18/18	
Received by			10/18/18	1330
Relinquished by			10/18/18	1545
Received by				
Relinquished by				
Received in lab by			10/18/18	1845

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound to these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent that Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is in the public domain or client has died to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disposition required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and no other agency there shall be no third party beneficiary of such reports, data or information. Client will not disclose any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client hereby and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and reasonable expenses including, but not limited to, attorney fees, investigation expenses and amounts arising in favor of Client, or any third party, as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, illness or death of persons 2. Loss of damage to, loss of, or loss or use of property and/or 3. financial losses of every kind of character. This indemnity does not extend to any of the foregoing losses, costs, damages, or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, Client damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation expenses or other fees (including without limitation attorney's fees, court costs, awards or jury or jury judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of specimens on the date the services were rendered or with prices quotes and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment must be made in advance or when analysis is completed (reports) for all new clients or with a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid accounts are collected through legal proceedings or by an attorney the client or all pay reasonable costs and attorney's fees or experts' fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports obtained by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party interests on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of securities, any periodic or other reporting to the holders of any security, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. Afterhours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:19
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0513-01) Collected: 19-Oct-18 By IPC						
pH	SM4500-H-B	AJ82013	0.1	19-Oct-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ81925	0.05	19-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ81905	1.8	21-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ81905	1.8	21-Oct-18 (JC)	4.0 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 185613

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/19/18	12:05	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
~~BOD~~	~~"~~		~~1~~	~~BOD~~	~~Grab~~	~~AQ~~	~~1L P~~	~~4°C~~	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	10/19/18	
Received by	Ewa Guerra PCL	10/19/18	1230
Relinquished by	Ewa Guerra PCL	10/19/18	1430
Received by			
Relinquished by			
Received in lab by		10/19/18	1430

Sample Received Checklist

Temperature upon receipt: 4pp

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
~~Grab~~ Comp

Matrix
~~AQ~~ - Water
~~SO~~ -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
~~Coli~~ - Bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additional amendments which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL Coffee's to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or solicitation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was followed. PCL reports and data relative to the sample submitted are for the exclusive use and benefit of client and client agrees that it shall be the third party beneficiary of such reports, data or information. Client will not disclose to any third party any proprietary operating technique information, software program or other formulation.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, between damages, claims, demands, causes of action, suits and all reasonable expenses including, but not limited to, all court fees, litigation, fines and penalties and awards arising in favor of Client, or any third party as a result of, and/or in any way connected to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or sample(s) handling, or disposal of client's hazardous substances, 1. injury, disease or death of persons and 2. loss of, damage to, loss of, or use of property, and/or 3. financial loss of every kind or character. This indemnity shall apply to any of the foregoing losses, suits, damages or liabilities caused in whole or in part by the acts, negligence or willful misconduct of PCL or its employees. Further, client indemnifies shall specifically apply to claims, damages, actions or expenses and costs arising out of or in connection with the unauthorized release, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by adequate liability insurance coverage to be furnished by client, which insurance shall be of the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation expenses or other fees including, without limitation, attorney's fees, expert fees, and /or jury or jury judgment (related), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of submission of the date the services were rendered, or with terms quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by all of its applicable laws, any amount unpaid as the ending thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are referred to collection proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by client authorized representative, unless that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports provided by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any similar representative capacity for any other person or party. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, will not be used to solicit upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria is 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:23
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0534-01) Collected: 20-Oct-18 By IPC						
pH	SM4500-H-B	AJ82118	0.1	21-Oct-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ82119	0.05	21-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ82014	1.8	23-Oct-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ82014	1.8	23-Oct-18 (PL)	4.5 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0534

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric VARDEL	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/20	0800	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
~~"~~			~~1~~	~~BOD~~	Grab	AQ	~~1L P~~	~~4°C~~	
"	10/20	0800	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Ric VARDEL (IR)	10/20	0815
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	10-20-18	1150
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who has requested laboratory services, consulting or sampling services and his or its owners, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule, as such document may be amended or re-issued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing its services.

3. Orders and Acceptance

PCL offers and will accept orders for services as defined herein only under the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order and PCL's acceptance by the client of PCL's offer to do business with the client under the terms and conditions and the agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No conflicting or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

10. Hold Harmless

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples, materials for analysis such as subsoil or groundwater, chemicals, petroleum products, solvents, pesticides, herbicides, biological materials, wastes, and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof) (the "Hazardous Materials"). Client understands and agrees that any hazardous materials received by PCL from Client or at Client's property shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of as unused portions of samples as specified by Client or by PCL's QA/QC policies. In the event the Client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Material. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current available disposal policy. In addition, all samples received by PCL for analytical bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or cash on delivery is required for all new clients pending a satisfactory credit investigation. Client has been advised that PCL's standard payment terms are net 30 days from date of invoice. Failure to pay within ninety days (90) of the date of invoice, or within any other credit limit established by PCL, shall be considered a material breach of this agreement and shall subject Client to all of PCL's rights and remedies at law or in equity, including the right to suspend services without notice. Client shall pay all costs of collection, including reasonable attorneys' fees, incurred by PCL in connection with the collection of any delinquent amount. Client shall pay interest on all delinquent amounts at the rate of 1.5% per month (or the highest rate permitted by law, if less) from the date payment is due until the date paid. If Client's account is referred to an attorney for collection, Client shall pay reasonable costs and attorney's fees or expert fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by Client's authorized representative. Verbal or subsequent orders for additional services may be confirmed in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested or will be used to record upon, in connection with or as part of, the purchase, sale, underwriting, or continuation of any securities, any periodic or other recurring to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days), samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (preferably 24 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been outlined on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be processed as additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

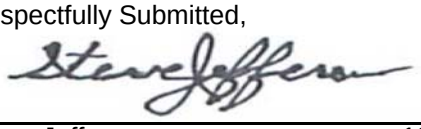
Attention: Ric Vardel
Report Date: 31-Oct-18 16:26
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0539-01) Collected: 21-Oct-18 By IPC						
pH	SM4500-H-B	AJ82121	0.1	21-Oct-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ82120	0.05	21-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ82117	1.8	24-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ82117	1.8	24-Oct-18 (JC)	2.0 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0539

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/21	0830	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
"	10/21	0830	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Ric VARDIZ (IPC)	10/21	0830
Received by		Jordan Corkery	10/21	0830
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	10/21	1340

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or re-issued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No prior or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including production of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodology or which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of this agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for any inadvertent disclosure of said data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, subject to proprietary or other limitations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, attorneys' fees (by litigation, arbitration and/or mediation) and costs of suit, (collectively, "Claims") for personal injury, property damage, or any other loss, cost or expense of any kind or nature whatsoever, whether actual, alleged or threatened, and whether arising out of or in connection with the negligence, gross negligence, willful misconduct or strict liability of PCL, its employees, officers, directors, agents, affiliates, subsidiaries, parent, successors, assigns, contractors, subcontractors or any other person or entity for whom PCL is legally responsible, arising out of or in connection with the negligence, gross negligence, willful misconduct or strict liability of Client, its employees, officers, directors, agents, affiliates, subsidiaries, parent, successors, assigns, contractors, subcontractors or any other person or entity for whom Client is legally responsible, arising out of or in connection with the performance of services under this agreement. The foregoing indemnity shall apply whether or not such Claims are caused in part by the active or passive negligence of PCL or any indemnified person. Client's indemnity obligation will be reduced to the extent PCL's liability insurance coverage is actually provided by Client, which reduction shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to Client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and pre or post judgment interest, or any other expenses incurred by the prevailing party in any claim, suit, action, litigation against or involving PCL or any indemnified person in connection with this agreement or as it relates to services provided under this agreement as well as cost to the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples material for analysis such as asbestos, polychlorinated biphenyls, blotter acid or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any soil bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of acceptance on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when services if completed is required for all new clients or until a history of payment and credit worthiness has been established with PCL. For those clients with an established credit account, the terms are net (date of change) 30 days from date of invoice. No cash discounts will be allowed. For late payments, interest at the lesser of 1.5% per month or the highest rate permitted by law, in addition to all costs of collection including attorneys' fees, will be charged on all accounts not paid within 30 days from the date of invoice. Payment of accounts are collected through legal proceedings or by an attorney, the client shall pay reasonable court and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by a client authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity, for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and report(s) requested, or shall be used to rely upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, arrangement, renewal, or extension of any loan from any financial institution or other lender or the participation in or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (due date is 2 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All bulk pick up/sampling fees have been detailed on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be processed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:28
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0552-01) Collected: 22-Oct-18 By IPC						
pH	SM4500-H-B	AJ82433	0.1	22-Oct-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ82330	0.05	23-Oct-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ82235	1.8	24-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ82235	1.8	24-Oct-18 (JC)	4.0 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1850552

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/22/18	1140	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			[redacted]	[redacted]	Grab	AQ	1L P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	10/22/18	
Received by	[illegible]	10/22/18	1200
Relinquished by	[illegible]	10/22/18	1300
Received by			
Relinquished by			
Received in lab by		10/22/18	1300

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: free

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - Bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modification to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the US Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employers or sources to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the samples or materials provided by client or its agent supplied and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data when such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of Client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other proprietary.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and costs and expenses, including, but not limited to, court fees (for litigation expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement (except negligence, willful misconduct or fraud of PCL's hazardous materials, 1. injury, disease or death of persons 2. LOSS OF damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing where such damage or injury shall solely be the direct negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, cover and include any and all claims of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities are in addition to any liability which the client might otherwise incur to PCL and the other indemnified persons. To the extent necessary under such circumstances, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. Under no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court cost, and the like or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples of chemicals for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by Client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analysis for local or state clients will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and price lists.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of execution or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or upon a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law all by acceptable law, any amount unpaid at the end of thirty (30) days will subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agency fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client or its duly representative. Except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports prepared by PCL. Client in securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested or required to be used to gain upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the qualification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (discovery is 3 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:30
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0580-01) Collected: 23-Oct-18 By IPC						
pH	SM4500-H-B	AJ82433	0.1	23-Oct-18 (JC)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ82431	0.05	24-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ82341	1.8	26-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ82341	1.8	26-Oct-18 (JC)	1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0580

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/23/18	14:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.22/25°C
~~1~~			~~1~~	~~BOD~~	Grab	AQ	1L P	~~4°C~~	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	14:10	
Received by	Armando Olmos PCI	~~10/23/18~~ 10/23/18	15:17
Relinquished by	Armando Olmos	10/23/18	18:40
Received by			
Relinquished by			
Received in lab by		10/23/18	18:40

Sample Received Checklist

Temperature upon receipt: 40°F

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined hereon) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. Any contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unwilling/accidental disclosure of such data where such standard was utilized. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, and liabilities of every kind and character arising out of and in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including without limitation, loss of profits or business interruption Litigation Expenses in other laws including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when all work is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client authorized representative, except that subsequent orders for additional services may be verbal or by writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. Client agrees and acknowledges that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 0-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

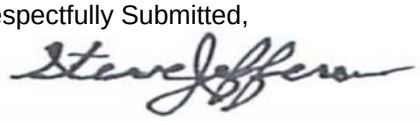
Attention: Ric Vardel
Report Date: 31-Oct-18 16:35
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0631-01) Collected: 24-Oct-18 By IPC						
pH	SM4500-H-B	AJ82442	0.1	24-Oct-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ82443	0.05	24-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ82432	1.8	27-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ82432	1.8	27-Oct-18 (JC)	1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18JC631

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/24/18	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.5 / 23.9
			[redacted]	[redacted]	Grab	AQ	1L P	4°C	
	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C.	Carlos Alvarez (Zoe)	10/24/18	
Received by: [illegible]	PatChem	10/24/18	1:34
Relinquished by: PatChem	PatChem	10/24/18	3:31
Received by:			
Relinquished by:			
Received in lab by:		10/25/18	1035

Sample Received Checklist

Temperature upon receipt: 4c

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
~~Grab~~ Comp	AQ - Water	P - Plastic
	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations	
HC - HCl	
HS - H_2SO_4	
HN - HNO_3	
HP - H_3PO_4	
OH - NaOH	
ST - Sodium Thiosulfate	
AA - Ascorbic Acid	
AI - $AlCl_3$	
Cu - $CuSO_4$	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to, all court fees, litigation expenses and reasonable attorneys' or expert fees, of any kind or nature whatsoever, as a result of, and/or in any way occurring, incident to arising out of, or in connection with, the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons, 2. loss of, damage to, lost of, or loss of use of property, and or 3. business loss of every kind or character. This indemnity does not apply to any of the foregoing where such damages or injuries caused solely by the acts, negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically exclude claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interests, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls (PCBs) or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is using services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal time will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:55
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0635-01) Collected: 24-Oct-18 By IPC						
Ammonia as N	EPA 350.1	AJ82517	0.10	25-Oct-18 (SGS)	0.12 mg/l	
Biochemical Oxygen Demand	SM 5210B	AJ82510	2	30-Oct-18 (WW)	<2 mg/l	
Nitrate as N	EPA 353.2	AJ82505	0.20	25-Oct-18 (LA)	2.70 mg/l	
Nitrite as N	EPA 353.2	AJ82505	0.02	25-Oct-18 (LA)	0.05 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AJ82507	0.10	26-Oct-18 (LA)	0.78 mg/l	
Total Suspended Solids	SM 2540D	AJ82515	1	25-Oct-18 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0635

Customer: IPC, Inc.		Project: **(MCC) Weekly EFF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/24/18	1155	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD					
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Rivas (PCC)	10/24/18	
Received by		Patrigen	10/24/18	1:29
Relinquished by		PAT-Chem	10/24	3:33
Received by				
Relinquished by				
Received in lab by			10/25/18	1535

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees, litigation expenses and awards, arising in favor of Client or any third party, as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials 1. injury, disease or death of persons 2. loss of, damage to, or loss of use of property and/or 3. financial loss of every kind of that kind. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall not specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis. Client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to rely upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

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Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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17. Sample Retention

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18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 17:00
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18J0628-01) Collected: 24-Oct-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AJ82510	2	30-Oct-18 (WW)	372 mg/l	
Total Suspended Solids	SM 2540D	AJ82515	1	25-Oct-18 (SGS)	212 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0628

Customer: IPC, Inc.		Project : **(MCC) Weekly INF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/24/18	1220	1	TSS	Grab	AQ	1L P	4°C	
	1	1	1	BOD	Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/24/18	
Received by		Patchem	10/24/18	1:55
Relinquished by		Patchem	10/24	3:31
Received by				
Relinquished by				
Received in lab by			10/25/18	10:35

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	**AQ** - Water	**P** - Plastic
Comp	**SO** -Soil / Sludge	**G** - Amber Glass
	OT - Other	**VOA** - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:38
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0656-01) Collected: 25-Oct-18 By IPC						
pH	SM4500-H-B	AJ82721	0.1	25-Oct-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ82521	0.05	25-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ82518	1.8	27-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ82518	1.8	27-Oct-18 (JC)	2.0 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 180656

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ivan Aguilar	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/25/18	1215	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			~~1~~	~~BOD~~	Grab	AQ	1L P	4°C	
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Ivan Aguilar IPC	10/25/18	
Received by	Elg Evans C. ptl	10/25/18	13:40
Relinquished by	Elg Evans ptl	10/25/18	1600
Received by			
Relinquished by			
Received in lab by	RLL	10-25-18	16 00

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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Data and the sample materials provided by client or at client's requests and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any proprietary or confidential technical information, software programs or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and reasonable expenses including, but not limited to, attorneys' fees (any litigation expenses), and expert witness fees of clients or any third party, as a result of, or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, contact of use of property and/or 3. failure or loss of warranty of character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, inter alia, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified at such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit worthiness has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET (date within thirty (30) days from date of invoice). To the fullest extent permitted by law, any unpaid balance at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees to PCL's agents' fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acting, services rendered for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, procurement, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:40
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0677-01) Collected: 26-Oct-18 By IPC						
pH	SM4500-H-B	AJ82721	0.1	26-Oct-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ82722	0.05	27-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ82604	1.8	28-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ82604	1.8	28-Oct-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18j0677

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/26/18	1055	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	[redacted]	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: C.	Carlos Alvarado (IPC)	10/26/18	
Received by:	[illegible]	10/26/18	1300
Relinquished by:	Carlos	10/26/18	1340
Received by:			
Relinquished by:			
Received in lab by:		10-26-18	1340

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided therein are for the exclusive use and benefit of client and PCL agrees there shall be no third party beneficiary of its reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Obligation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and in transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property, and or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL, or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption), Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

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14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contacting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:43
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0697-01) Collected: 27-Oct-18 By IPC						
pH	SM4500-H-B	AJ83019	0.1	27-Oct-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ82821	0.05	28-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ82720	1.8	30-Oct-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ82720	1.8	30-Oct-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0697

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	10/27	0830	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
11	10/27	0830	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Ric VARDEL (IPC)	10/27	0830
Received by			
Relinquished by Jose L Gomez	Jose L Gomez	10-27-18	1130
Received by			
Relinquished by			
Received in lab by			

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submittal of a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or tenders of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is in the public domain or client has filed to pay PCL for all services rendered, or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and for its agents there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other know-how.

10. Hold Harmless

Client releases and will save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees, litigation expenses and reasonable attorney's fees of Client, or any third party, as a result of, or directly or indirectly relating, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or a proposal/quote. According to, because of, client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the willful, negligent or willful misconduct of PCL, or its employees. Further, this indemnity shall specifically apply to, cover, claims, damages, actions of every kind and character arising out of and in connection with the negligence of or breach of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) of whatever kind or character, however caused, whether foreseeable, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided unless this agreement expressly states to the contrary party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or under a history of delinquent and/or credit accounts has been established with PCL. For those clients with an established credit account, the terms for payment of any goes are NET (XX) calendar days (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the losing shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use, reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent (principal), or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to rely upon, in connection with or as part of, the purchase, sale, underwriting, or syndication of any securities, any periodic or other reporting to the holders of any security, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (tested is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays of similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:45
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0701-01) Collected: 28-Oct-18 By IPC						
pH	SM4500-H-B	AJ83019	0.1	28-Oct-18 (SS)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ82821	0.05	28-Oct-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ82820	1.8	30-Oct-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ82820	1.8	30-Oct-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0701

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/28	0900	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
PV			1	BOD	Grab	AQ	1L P	4°C	
11	10/28	0900	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Ric Vardel (IPC)	10/28	0915
Received by	Jordan Corkery	10/28	0915
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	10/28	1330

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

- HC - HCl
- HS - H_2SO_4
- HN - HNO_3
- HP - H_3PO_4
- OH - NaOH
- ST - Sodium Thiosulfate
- AA - Ascorbic Acid
- AI - $AlCl_3$
- Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of this contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is provided, disclosed or filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information despite such standard. Client agrees that PCL reports and other material provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of our reports, data or information. Client will not disclose to any third party any information concerning technical data, known, software programs or other know-how.

10. Hold Harmless

Client releases, indemnifies and holds harmless PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (like Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to or arising out of, or in connection with the performance of services by PCL pursuant to this Agreement and/or interpretation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of damage to, or of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, claims, damages or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to cover claims based on actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation, arbitration or mediation PCL or any indemnified person in connection with this agreement or any services provided under this agreement, even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of execution of the order the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due upon receipt of invoice unless otherwise agreed to in writing by PCL. Payment is not contingent upon [illegible] of client and/or client account has been fully paid. In accordance with PCL's Net Invoice clients with an established credit account may have terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law and by applicable law, any invoiced services or the sum of thirty (30) days is subject to interest at the rate of the maximum rate permitted by law, or 1.5% and one half percent (1.5%) per month on the unpaid balance. If unpaid accounts are collected through legal proceedings or by an attorney, the client will pay reasonable costs and attorney's fees for same. For accounts with such collection procedures or attorn

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for Client's use of or reliance on data, information or reports received by PCL. Client is retaining services PCL is for for Client account, and not as agent or trustee, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any person, or other recipient to the fullest of this services, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the classification to or contracting with the client by or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 24 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (excepting 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. For arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been listed on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays making the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 31-Oct-18 16:47
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0711-01) Collected: 29-Oct-18 By IPC						
pH	SM4500-H-B	AJ83019	0.1	29-Oct-18 (SS)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ83014	0.05	30-Oct-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ82931	1.8	31-Oct-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ82931	1.8	31-Oct-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 10/31/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0711

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/29/18	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.31 / 21.3°C
			[redacted]	[redacted]	Grab	AQ	1L P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (Pat)	10/29/18	
Received by		Armando Olmos (Patchem)	10/29/18	17:34
Relinquished by		Armando Olmos (Patchem)	10/29/18	1:48
Received by				
Relinquished by				
Received in lab by		PL	10.29.18	1348

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered) or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software processes or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified Person, whether actual or alleged in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, barrels or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due upon when invoice is completed or is mailed for all new clients until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or as will be applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees to agents' fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by the an authorized representative, except that subsequent orders for additional services may be verbal or by telephone.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and report(s) are not requested, or shall be used or relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria) a 6 hour 0 must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Nov-18 14:37
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT		NOTE
EFF (Sample I.D.# : 18J0764-01) Collected: 30-Oct-18 By IPC							
pH	SM4500-H-B	AK80116	0.1	30-Oct-18 (JC)	7.8	pH Units	
Residual Chlorine	SM 4500 Cl-G	AJ83146	0.05	31-Oct-18 (JC)	<0.05	mg/l	
Fecal Coliforms	SM 9221E	AJ83144	1.8	04-Nov-18 (JC)	<1.8	MPN/100 ml	O-04
Total Coliforms	SM 9221B	AJ83144	1.8	04-Nov-18 (JC)	2.0	MPN/100 ml	O-04

Notes and Definitions

O-04 This sample was analyzed outside the EPA recommended holding time.

Respectfully Submitted,

Steve Jefferson 11/6/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810764

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/30/18	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by			
Received by			
Relinquished by			
Received by			
Relinquished by			
Received in lab by		10/30/18	1400

Sample Received Checklist 4°C

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No general or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was followed. PCL reports and information provided thereunder are for the exclusive use and benefit of Client and Client agrees there shall be no third party beneficiary of its reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and expenses (including, but not limited to, all court fees, other litigation expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way arising incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of use of property and/or 3. financial loss of every kind or character. This indemnity shall apply to and be limited to losses, costs, damages or actions caused solely by the active negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, without limitation, any actions of every kind and characters arising out of or in connection with the negligence of or breach of contract by any indemnified Persons, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and pre-and post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Nov-18 14:54
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0741-01) Collected: 30-Oct-18 By IPC						
Ammonia as N	EPA 350.1	AJ83140	0.10	31-Oct-18 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AJ83139	2	05-Nov-18 (SGS)	3 mg/l	
Nitrate as N	EPA 353.2	AJ83135	0.20	31-Oct-18 (LA)	2.80 mg/l	
Nitrite as N	EPA 353.2	AJ83135	0.02	31-Oct-18 (LA)	0.04 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AK80113	0.10	02-Nov-18 (LA)	0.96 mg/l	
Total Suspended Solids	SM 2540D	AJ83138	1	31-Oct-18 (EA)	1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/6/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0741

Customer: IPC, Inc.		Project : **(MCC) Weekly EFF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	10/30/18	1150	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	[redacted] BOD					

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	10/30/18	1300
Received by		MARIO SANTIESTEBAN (PCL)	10/30/18	1300
Relinquished by		MARIO SANTIESTEBAN (PCL)	10/30/18	1700
Received by				
Relinquished by				
Received in lab by		PLL	10/30/18	1720

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

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6. Cancellation

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7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

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Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized movement of said data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software or quality assurance information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent, harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to, all court fees (the "Litigation Expenses") and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or illness of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profits, business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for aerobic bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or as the prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by all or all be applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection proceedings or efforts.

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Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

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17. Sample Retention

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18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be processed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

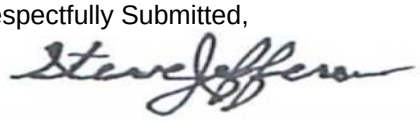
Attention: Ric Vardel
Report Date: 06-Nov-18 14:57
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18J0743-01) Collected: 30-Oct-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AJ83139	2	05-Nov-18 (SGS)	382 mg/l	
Total Suspended Solids	SM 2540D	AJ83138	1	31-Oct-18 (EA)	127 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/6/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18243

Customer: IPC, Inc.		Project : **(MCC) Weekly INF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	10/30/18	1235	1	TSS	Grab	AQ	1L P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (PCL)	10/30/18	1256
Received by	MARIO CANTJESTEBAN (PCL)	10/30/18	1256
Relinquished by	MARIO SANTJESTEBAN (PCL)	10/30/18	1703
Received by			
Relinquished by			
Received in lab by	PU	10-30-18	1703

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of our reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, cost of, or loss of use of property and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged. In the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, expert fees, and fees pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are declared, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (collectively now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of 30 unused portions of samples as specified be client or by PCL's QA/QC policies. In the event the client does not specify as preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analyses, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable prices, include in effect for the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or prior analysis is completed is required for all new clients or until a history of payment and/or credit worthiness has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from dated invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid accounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Nov-18 16:50
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18J0775-01) Collected: 31-Oct-18 By IPC						
pH	SM4500-H-B	AK80116	0.1	31-Oct-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK80115	0.05	01-Nov-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AJ83144	1.8	02-Nov-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AJ83144	1.8	02-Nov-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/2/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18J0775

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	10/31/18	1430	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.4
			1	BOD	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (ARC)	10/31/18	
Received by		PCL	10/31/18	328
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	10/31/18	16:05

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? **Yes** **No**

Samples intact? **Yes** **No**

Samples properly preserved? **Yes** **No**

Samples in holding time? **Yes** **No**

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Rev 2 Effective 5/1/17

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and expenses whatsoever, including, but not limited to, attorneys fees (plus litigation expenses) and awards arising in favor of client or any third party as a result of, and/or in any way occurring incident to, arising out of, or connected in with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons, 2. loss of, damage to, loss of, or loss of use of property, and or 3. for any loss of ownership of chattels. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL, its employees. Further, this indemnity does specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence (but not gross negligence) or willful misconduct of PCL, its employees, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified entities. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, cost for pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, benzene or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis. Client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client, securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

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All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Nov-18 14:41
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0026-01) Collected: 01-Nov-18 By IPC						
pH	SM4500-H-B	AK80120	0.1	01-Nov-18 (JC)	6.9 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK80213	0.05	02-Nov-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK80114	1.8	03-Nov-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK80114	1.8	03-Nov-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/6/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0026

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C. [redacted]	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/01/18	1135	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.0
			[redacted]	[redacted]	Grab	AQ	1L P	4°C	6.91
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. [redacted]	Carlos Arzate (IPC)	11/01/18	
Received by	[redacted]	[redacted]	11/1/18	1315
Relinquished by	[redacted]	[redacted]	11/1/18	1400
Received by				
Relinquished by				
Received in lab by		PCL	11-1-18	14:00

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its duly authorized agents and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modification to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the Client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound to these terms and conditions.

The Client's delivery of samples to PCL or requesting consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The Parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any exposure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports and/or information. Client will not disclose to any third party any information concerning technical information, software, processes or other innovations.

10. Hold Harmless

Client releases and will save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses, damages, liability, demands, causes of action, costs and associated expenses, including, but not limited to attorneys' fees (including expenses) and costs of whatever kind or nature (collectively, "Claims"), brought by or on behalf of Client or any third party as a result of, and/or in any way relating to, and/or arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, illness or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, inter alia, claimed damages, actions of every kind and character arising out of or in connection with the negligence or omission of contractor or any indemnified person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be identified by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, batteries or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with terms specified in later confirmation in writing. The price schedule is subject to change at any time without notice. Payment in advance or via an invoice is contingent upon, but not limited to, client's credit history, payment history and client account status. If client is not established with PCL for those clients with an established credit account, the terms for payment of charges are NET 30/EOM within thirty (30) days from date of invoice. To the fullest extent permitted by law, all fees, obligations due, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. Disputed amounts are subject to through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or appellate fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be placed orally or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or on any other representative capacity for another person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used or relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Nov-18 14:45
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0059-01) Collected: 02-Nov-18 By IPC						
pH	SM4500-H-B	AK80222	0.1	02-Nov-18 (JC)	7.8 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK80329	0.05	03-Nov-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK80212	1.8	06-Nov-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK80212	1.8	06-Nov-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/6/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0059

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. [illegible]	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/02/18	1080	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.76 / 18.3°C
			[redacted]		Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. [illegible]	Carlos Alvarez (IPC)	11/02/18	1411
Received by		MARIO SANJESTEBAN (PCL)	11/2/18	1411
Relinquished by		MARIO SANJESTEBAN (PCL)	11/2/18	1754
Received by				
Relinquished by				
Received in lab by		PCL	11-2-18	1754

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) ~~No~~

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and investigative expenses including, but not limited to, attorneys' fees (the aforementioned expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Economic loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or liabilities solely to the extent negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to certain claims, damages, attorneys' fees and other costs arising out of or in connection with the negligence or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption). Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria tests hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed as additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Nov-18 14:48
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0067-01) Collected: 03-Nov-18 By IPC						
pH	SM4500-H-B	AK80429	0.1	03-Nov-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK80531	0.05	04-Nov-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK80328	1.8	05-Nov-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK80328	1.8	05-Nov-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/6/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0067

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/03/18	0830	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	[redacted]	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by: C. Alvarez	Carlos Alvarez (IPC)	11/03/18	1047
Received by:			
Relinquished by: Jose L Gomez	Jose L Gomez	11-3-18	1047
Received by:			
Relinquished by:			
Received in lab by:	Jordan Corkery	11-3-18	1236

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Rev 2 Effective 5/1/17

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1. Definitions

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PCL offers and will accept orders for services (as defined hereon) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client an[illegible] hereunder subject [illegible] out-of-pocket [illegible]ation in [illegible]e

[illegible]rmance for [illegible]-daily [illegible]g and [illegible]ions

[illegible]n

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered, or is otherwise in breach of the agreement (subject to any dispute resolved by law or these terms). PCL will use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of our reports, data or information. Client will not disclose to any third party any information concerning technical information, software processes or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and consultant expenses, including, but not limited to all court fees, litigation expenses and awards arising in favor of Client or any third party as a result of, and/or to any way arising, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of toxic/hazardous materials, 2. injury, disease or death of persons, 3. to or of damage to, loss of, or loss of use of property and or 4. incidental losses of every kind and nature. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, cover, compensate, defend, pay any and all costs to, or arising out of, in connection with the negligence or breach of contract by client, indemnifying person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and (to pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all utilized portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable pricing schedule in effect at the time of operations on the date the services were rendered or such prices applied and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when invoice is completed is required for all new clients or until a history of payment and/or credit worthiness has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET Eight within thirty (30) days from date of invoice. To the fullest extent permitted or at will by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client will pay reasonable costs and attorney's fees in addition to fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on work data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (Dioxins is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noticed on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Nov-18 14:51
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0071-01) Collected: 04-Nov-18 By IPC						
pH	SM4500-H-B	AK80536	0.1	04-Nov-18 (SS)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK80531	0.05	05-Nov-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK80428	1.8	06-Nov-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK80428	1.8	06-Nov-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/6/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0071

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: JULIO LEAL	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11-04-18	08:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.5/20.1
~~BOD~~			1	~~BOD~~	~~Grab~~	~~AQ~~	~~1L P~~	~~4°C~~	
	/	/	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	11-4-18	13:25
Received by	Jordan Corkery	11-4-18	13:25
Relinqdished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	11-4-18	14:10

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who/which request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

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4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

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6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosures required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information unless such standard was employed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

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Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses to, damages, claims, demands, causes of action, costs and associated expenses including, but not limited to, attorneys fees (the obligation expanded and owed to, arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. Illegal loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of an indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which client may otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any way claim against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if client is the prevailing party.

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PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acquiring services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

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18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Nov-18 14:53
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0086-01) Collected: 05-Nov-18 By IPC						
pH	SM4500-H-B	AK80746	0.1	05-Nov-18 (JC)	8.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK80629	0.05	06-Nov-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK80541	1.8	07-Nov-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK80541	1.8	07-Nov-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/7/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0086

Customer: IPC, Inc.		Project: **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/5/18	10:05	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	8.0 / 14.0 °C
~~1~~			~~1~~	~~BOD~~	~~Grab~~	~~AQ~~	~~1L P~~	~~4°C~~	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: GK	Golan IPC	11/5/18	
Received by:		11/5/18	1:15
Relinquished by:	PCL	11/5/18	2:40
Received by:			
Relinquished by:			
Received in lab by:	PCL	11.5.18	1444

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound to these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed or pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software or proprietary or other limitations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of damage to, loss of, or loss of use of property and or 3. financial loss of every kind of that actor. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required TBD as per clients unless a history of payment and/or credit account has been established with PCL. For those clients with an established client account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted at at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid accounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Nov-18 14:56
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0121-01) Collected: 06-Nov-18 By IPC						
pH	SM4500-H-B	AK80746	0.1	06-Nov-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK80743	0.05	07-Nov-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK80638	1.8	08-Nov-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK80638	1.8	08-Nov-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810121

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention: C. Q.	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/06/18	1150	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Q.	Carlos Alvarez (CPC)	11/06/18	
Received by		PCC	11-6-18	2:25
Relinquished by			11-6-18	4:15
Received by				
Relinquished by				
Received in lab by			11/6/18	1625

Sample Received Checklist

Temperature upon receipt: 4.4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and may include such client's agents and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall constitute PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes (i) an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and (2) an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), Co-Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except in the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCE shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has fled to pay PCL for services rendered or is otherwise in breach of the agreement subject to any ultimately executed by any or legal process. PCL shall use the same standard of care in safeguarding its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports are information provided thereon are for the exclusive use and benefit of client and client agrees that same no third party beneficiary of our reports, data or information. Client will not disclose to any third party any interpretation, testing technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its subsidiaries, officers, directors, agents, affiliates, consultants and each of them, from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party, as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, injury, disease, illness of persons or loss of, damage to, loss of, or loss of use of property, such as a financial loss of every kind of character. This indemnity shall not serve to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption (litigation Expenses in other fees including, without limitation, attorney's fees, expert fees, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls barrels or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules PCL policies or regulations (weather now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

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18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Nov-18 15:04
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0122-01) Collected: 06-Nov-18 By IPC						
Ammonia as N	EPA 350.1	AK80741	0.10	07-Nov-18 (SGS)	<0.10 mg/l	
Biochemical Oxygen Demand	SM 5210B	AK80740	2	12-Nov-18 (SGS)	<2 mg/l	
Nitrate as N	EPA 353.2	AK80736	0.10	07-Nov-18 (LA)	3.06 mg/l	
Nitrite as N	EPA 353.2	AK80736	0.02	07-Nov-18 (LA)	0.04 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AK80742	0.10	13-Nov-18 (LA)	0.65 mg/l	
Total Suspended Solids	SM 2540D	AK80732	1	07-Nov-18 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0122

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/06/18	1150	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/06/18	
Received by		PCL	11-6-18	2:25
Relinquished by		PCL	11-6-18	4:15
Received by				
Relinquished by				
Received in lab by			11/6/18	1645

Sample Received Checklist

Temperature upon receipt: 7c

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing its services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (LUFT), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

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8. Force Majeure

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9. Confidentiality

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to, all court fees (the "Litigation Expenses") and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to taxes, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available (client's insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and cost pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of specimens on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or (unless a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

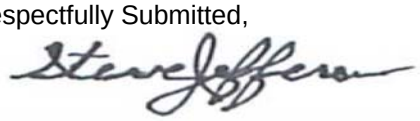
Attention: Ric Vardel
Report Date: 15-Nov-18 15:11
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18K0127-01) Collected: 06-Nov-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AK80740	2	12-Nov-18 (SGS)	891 mg/l	
Total Suspended Solids	SM 2540D	AK80732	1	07-Nov-18 (EA)	259 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18L0127

Customer: IPC, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention: CL	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/06/18	1205	1	TSS	Grab	AQ	1L P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCC)	11/06/18	
Received by		PCC	11-6-18	2:25
Relinquished by		PCC	11-6-18	9:15
Received by				
Relinquished by				
Received in lab by			11/6/18	1615

Sample Received Checklist

Temperature upon receipt: 4C°

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which have agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and for or its clients, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services as defined herein only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does contradict the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.
The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes PCL's acceptance by the client of PCL's offer to do business with the client under the terms and conditions and PCL an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), QA Watershed (LAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the sample(s) are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or to the public domain) to client has fired to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information provided that in no event PCL reports and information provided to you are for the exclusive use and benefit of client and client agrees they shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any intellectual property, technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to attorneys fees (the Obligations Expenses), and awards arising in favor of client or any third party, as a result of, and/or in any way in writing incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or environmental sampling or disposal of client's hazardous materials, injury, damage or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of many kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to all claims of any kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which one client might otherwise have to PCL and the other indemnified persons. To implement necessary duties applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

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Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Dec-18 16:03
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0170-01) Collected: 07-Nov-18 By IPC						
Silver	EPA 200.8	AK80804	0.2	12-Nov-18 (AF)	<0.2 ug/l	
Arsenic	EPA 200.8	AK80804	0.5	12-Nov-18 (AF)	1.8 ug/l	
Beryllium	EPA 200.8	AK80804	0.2	12-Nov-18 (AF)	<0.2 ug/l	
Cadmium	EPA 200.8	AK80804	0.2	12-Nov-18 (AF)	<0.2 ug/l	
Chromium	EPA 200.8	AK80804	0.2	12-Nov-18 (AF)	3.2 ug/l	
Copper	EPA 200.8	AK80804	0.2	12-Nov-18 (AF)	1.4 ug/l	
Mercury	EPA 245.1	AK81224	0.20	12-Nov-18 (AF)	<0.20 ug/l	
Nickel	EPA 200.8	AK80804	0.5	12-Nov-18 (AF)	4.9 ug/l	
Lead	EPA 200.8	AK80804	0.2	12-Nov-18 (AF)	<0.2 ug/l	
Antimony	EPA 200.8	AK80804	1.0	12-Nov-18 (AF)	<1.0 ug/l	
Selenium	EPA 200.8	AK80804	2.0	12-Nov-18 (AF)	2.0 ug/l	
Thallium	EPA 200.8	AK80804	1.0	12-Nov-18 (AF)	<1.0 ug/l	
Zinc	EPA 200.8	AK80804	1.0	12-Nov-18 (AF)	16 ug/l	
Aldrin	EPA 608	AJ81816	0.005	21-Nov-18 (SJ)	<0.005 ug/l	
Alpha-BHC	EPA 608	AJ81816	0.005	21-Nov-18 (SJ)	<0.005 ug/l	
Beta-BHC	EPA 608	AJ81816	0.005	21-Nov-18 (SJ)	<0.005 ug/l	
Gamma-BHC(Lindane)	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Delta-BHC	EPA 608	AJ81816	0.005	21-Nov-18 (SJ)	<0.005 ug/l	
4,4´-DDT	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
4,4´-DDE	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
4,4´-DDD	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Dieldrin	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Endosulfan I	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Endosulfan II	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Endosulfan Sulfate	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Endrin	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Endrin Aldehyde	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Heptachlor	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Alpha-Chlordane	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	

Respectfully Submitted,

Steve Jefferson 12/7/2018
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Dec-18 16:03
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0170-01) Collected: 07-Nov-18 By IPC						
Gamma-Chlordane	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Heptachlor Epoxide	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Aroclor 1242	EPA 608	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Aroclor 1254	EPA 608	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Aroclor 1221	EPA 608	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Aroclor 1232	EPA 608	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Aroclor 1248	EPA 608	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Aroclor 1260	EPA 608	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Aroclor 1016	EPA 608	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Chlordane	EPA 608	AJ81816	0.1	21-Nov-18 (SJ)	<0.1 ug/l	
Toxaphene	EPA 608	AJ81816	0.5	21-Nov-18 (SJ)	<0.5 ug/l	
Endrin Ketone	EPA 608	AJ81816	0.01	21-Nov-18 (SJ)	<0.01 ug/l	
Methoxychlor	EPA 608	AJ81816	0.1	21-Nov-18 (SJ)	<0.1 ug/l	
Surrogate: Tetrachloro-m-xylene	*EPA 608*	*AJ81816*		*21-Nov-18 (SJ)*	*51.5 % (25.7-107)*	
Surrogate: Decachlorobiphenyl	*EPA 608*	*AJ81816*		*21-Nov-18 (SJ)*	*87.5 % (9.67-144)*	
Acetone	EPA 624	AK82038	5.0	20-Nov-18 (SJ)	<5.0 ug/l	
Acrolein	EPA 624	AK82038	2.0	20-Nov-18 (SJ)	<2.0 ug/l	
Acrylonitrile	EPA 624	AK82038	2.0	20-Nov-18 (SJ)	<2.0 ug/l	
Tert-amyl methyl ether	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Benzene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Bromodichloromethane	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Bromoform	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Bromomethane	EPA 624	AK82038	2.0	20-Nov-18 (SJ)	<2.0 ug/l	
2-Butanone (MEK)	EPA 624	AK82038	5.0	20-Nov-18 (SJ)	<5.0 ug/l	
Tert-butyl alcohol	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Carbon tetrachloride	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Chlorobenzene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Chloroethane	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
2-Chloroethylvinyl ether	EPA 624	AK82038	5.0	20-Nov-18 (SJ)	<5.0 ug/l	

Respectfully Submitted,

Steve Jefferson 12/7/2018
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

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Customer: **Integrated Performance Consultants, Inc.**
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Attention: Ric Vardel
Report Date: 07-Dec-18 16:03
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PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0170-01) Collected: 07-Nov-18 By IPC						
Chloroform	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	1.0 ug/l	
Chloromethane	EPA 624	AK82038	2.0	20-Nov-18 (SJ)	<2.0 ug/l	
Dibromochloromethane	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
1,2-Dibromoethane	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
1,2-Dichlorobenzene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
1,4-Dichlorobenzene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
1,3-Dichlorobenzene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
1,2-Dichloroethane	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
1,1-Dichloroethane	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
1,1-Dichloroethene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
1,2-Dichloropropane	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
trans-1,3-Dichloropropene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
cis-1,3-Dichloropropene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
1,2-Dichloropropylene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Di-isopropyl ether	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Ethylbenzene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Ethyl tert-butyl ether	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Methyl tert-butyl ether	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Methylene chloride	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
t-1,2-Dichloroethene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
1,1,2,2-Tetrachloroethane	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Tetrachloroethene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Toluene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
1,1,1-Trichloroethane	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
1,1,2-Trichloroethane	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Trichloroethene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
Vinyl chloride	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
o-Xylene	EPA 624	AK82038	1.0	20-Nov-18 (SJ)	<1.0 ug/l	
m,p-Xylene	EPA 624	AK82038	2.0	20-Nov-18 (SJ)	<2.0 ug/l	

Respectfully Submitted,

Steve Jefferson 12/7/2018
Laboratory Director

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Dec-18 16:03
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0170-01) Collected: 07-Nov-18 By IPC						
Surrogate: Dibromofluoromethane	*EPA 624*	*AK82038*		*20-Nov-18 (SJ)*	*112 % (80-120)*	
Surrogate: Toluene-d8	*EPA 624*	*AK82038*		*20-Nov-18 (SJ)*	*102 % (80-120)*	
Surrogate: Bromofluorobenzene	*EPA 624*	*AK82038*		*20-Nov-18 (SJ)*	*98.1 % (80-120)*	
Acenaphthene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Acenaphthylene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Anthracene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Benzidine	EPA 625	AK80737	5.0	09-Nov-18 (VD)	<5.0 ug/l	
Benzo (a) anthracene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Benzo (a) pyrene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Benzo (b) fluoranthene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Benzo (g,h,i) perylene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Benzo (k) fluoranthene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Benzyl Butyl Phthalate	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
4-Bromophenyl phenyl ether	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
4-Chloro-3-methylphenol	EPA 625	AK80737	5.0	09-Nov-18 (VD)	<5.0 ug/l	
Bis(2-chloroethoxy)methane	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Bis(2-chloroisopropyl)ether	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
2-Chloronaphthalene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
2-Chlorophenol	EPA 625	AK80737	5.0	09-Nov-18 (VD)	<5.0 ug/l	
4-Chlorophenyl phenyl ether	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Bis(2-choroethyl)ether	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Chrysene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Dibenz (a,h) anthracene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Di-n-butyl phthalate	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
1,3-Dichlorobenzene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
1,2-Dichlorobenzene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
1,4-Dichlorobenzene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
3,3´-Dichlorobenzidine	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
2,4-Dichlorophenol	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Diethyl phthalate	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	

Respectfully Submitted,

Steve Jefferson 12/7/2018
Laboratory Director

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9297 Research Drive
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Attention: Ric Vardel
Report Date: 07-Dec-18 16:03
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0170-01) Collected: 07-Nov-18 By IPC						
2,4-Dimethylphenol	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Dimethyl phthalate	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
4,6-Dinitro-2-methylphenol	EPA 625	AK80737	5.0	09-Nov-18 (VD)	<5.0 ug/l	
2,4-Dinitrophenol	EPA 625	AK80737	5.0	09-Nov-18 (VD)	<5.0 ug/l	
2,6-Dinitrotoluene	EPA 625	AK80737	5.0	09-Nov-18 (VD)	<5.0 ug/l	
2,4-Dinitrotoluene	EPA 625	AK80737	5.0	09-Nov-18 (VD)	<5.0 ug/l	
Di-n-octyl phthalate	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
1,2-Diphenylhydrazine	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Bis(2-ethylhexyl)phthalate	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Fluoranthene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Fluorene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Hexachlorobenzene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Hexachlorobutadiene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Hexachlorocyclopentadiene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Hexachloroethane	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Indeno (1,2,3-cd) pyrene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Isophorone	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Naphthalene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Nitrobenzene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
4-Nitrophenol	EPA 625	AK80737	10.0	09-Nov-18 (VD)	<10.0 ug/l	
2-Nitrophenol	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
N-Nitrosodimethylamine	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
N-Nitrosodiphenylamine	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
N-Nitrosodi-n-propylamine	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Pentachlorophenol	EPA 625	AK80737	10.0	09-Nov-18 (VD)	<10.0 ug/l	
Phenanthrene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
Phenol	EPA 625	AK80737	5.0	09-Nov-18 (VD)	<5.0 ug/l	
Pyrene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	
1,2,4-Trichlorobenzene	EPA 625	AK80737	2.0	09-Nov-18 (VD)	<2.0 ug/l	

Respectfully Submitted,

Steve Jefferson 12/7/2018
Laboratory Director

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Attention: Ric Vardel
Report Date: 07-Dec-18 16:03
Subject: (MCC) Annual EFF

Project/P.O.#: (MCC) Annual EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0170-01) Collected: 07-Nov-18 By IPC						
2,4,6-Trichlorophenol	EPA 625	AK80737	5.0	09-Nov-18 (VD)	<5.0 ug/l	
Surrogate: 2-Fluorophenol	*EPA 625*	*AK80737*		*09-Nov-18 (VD)*	*38.7 % (13.6-74)*	
Surrogate: Phenol-d6	*EPA 625*	*AK80737*		*09-Nov-18 (VD)*	*22.5 % (7.81-55)*	
Surrogate: 2-Chlorophenol-d4	*EPA 625*	*AK80737*		*09-Nov-18 (VD)*	*58.2 % (18-111)*	
Surrogate: 1,2-Dichlorobenzene-d4	*EPA 625*	*AK80737*		*09-Nov-18 (VD)*	*70.1 % (30-106)*	
Surrogate: Nitrobenzene-d5	*EPA 625*	*AK80737*		*09-Nov-18 (VD)*	*109 % (35.1-126)*	
Surrogate: 2-Fluorobiphenyl	*EPA 625*	*AK80737*		*09-Nov-18 (VD)*	*93.5 % (34-124)*	
Surrogate: 2,4,6-Tribromophenol	*EPA 625*	*AK80737*		*09-Nov-18 (VD)*	*96.3 % (19-155)*	
Surrogate: p-Terphenyl-d14	*EPA 625*	*AK80737*		*09-Nov-18 (VD)*	*90.7 % (33-149)*	
Cyanide (total)	SM 4500-CN-E	AK80810	0.005	12-Nov-18 (LA)	0.007 mg/l	
Caffeine	EPA 8321B	AK80818	5.0	07-Dec-18 (SJ)	<5.0 ug/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/7/2018
Laboratory Director

November 28, 2018

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Lab ID : SP 1814852
Customer : 2-12670

Laboratory Report

Introduction: This report package contains total of 3 pages divided into 3 sections:

Case Narrative	(1 pages)	: An overview of the work performed at FGL.
Sample Results	(1 page)	: Results for each sample submitted.
Quality Control	(1 page)	: Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
18K0170-01	11/07/2018	11/08/2018	SP 1814852-001	W

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived at 4 °C. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Inorganic - Wet Chemistry QC

218.6	11/09/2018:216523 All analysis quality controls are within established criteria
	11/09/2018:213400 All preparation quality controls are within established criteria

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Reviewed and Approved By **Kelly A. Dunnahoo, B.S.** Digitally signed by Kelly A. Dunnahoo, B.S. Title: Laboratory Director Date: 2018-11-28

Corporate Offices & Laboratory
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FAX: (805)783-2912
CA ELAP Certification No. 2775

Office & Laboratory
9415 W. Goshen Avenue
Visalia, CA 93291
TEL: (559)734-9473
FAX: (559)734-8435
CA ELAP Certification No. 2810

November 28, 2018

Pat-Chem Laboratories
1824 1st St
San Fernando, CA 91340

Description : 18K0170-01
Project : 18K0170-01

Lab ID : SP 1814852-001
Customer ID : 2-12670

Sampled On : November 7, 2018-11:30
Sampled By : Customer
Received On : November 8, 2018-11:29
Matrix : Water

Sample Result - Inorganic

Constituent	Result	PQL	Units	Note	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Wet Chemistry								
Chromium VI	3.3	0.5*	ug/L		218.6	11/09/18:213400	218.6	11/09/18:216523

ND=Non-Detected. PQL=Practical Quantitation Limit. * PQL adjusted for dilution.

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November 28, 2018 Lab ID : SP 1814852
Pat-Chem Laboratories Customer : 2-12670

Quality Control - Inorganic

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Wet Chem								
Chromium VI	218.6	11/09/18:213400JDD	Blank	ug/L		ND	<0.1	
			LCS	ug/L	2.000	99.0 %	90-110	
			MS	ug/L	2.000	95.7 %	75-125	
		(STK1855996-001)	MSD	ug/L	2.000	96.1 %	75-125	
			MSRPD	ug/L	2.000	0.4%	≤20	
			MS	ug/L	2.000	74.9 %	75-125	
		(STK1855996-002)	MSD	ug/L	2.000	79.3 %	75-125	
			MSRPD	ug/L	2.000	0.4%	≤20	
	218.6	11/09/18:216523JDD	CCB	ppb		0.079	0.1	
			CCV	ppb	5.000	99.6 %	95-105	
			CCB	ppb		0.038	0.1	
			CCV	ppb	5.000	96.5 %	95-105	

Definition

CCV	: Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria.
CCB	: Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria.
Blank	: Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples.
LCS	: Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery.
MS	: Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSD	: Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyted. The recoveries are an indication of how that sample matrix affects analyte recovery.
MSRPD	: MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis.
ND	: Non-detect - Result was below the DQO listed for the analyte.
DQO	: Data Quality Objective - This is the criteria against which the quality control data is compared.

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LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

LA Testing Order ID: 321826032
Customer ID: PTCM42
Customer PO:
Project ID:

Attn: Steve Jefferson
Pat Chem Laboratories
1824 1st St
San Fernando, CA 91340

Phone: (805) 532-0012
Fax:
Collected: 11/07/2018
Received: 11/09/2018
Analyzed: 11/23/2018

Proj:

Test Report: Determination of Asbestos Structures >10µm in Drinking Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
							MFL (million fibers per liter)		
18K0170-01 321826032-0001	11/9/2018 04:20 PM	100	1288	0.0640	None Detected	ND	0.20	<0.20	0.00 - 0.74

Sample ozonated prior to analysis due to lab receipt time exceeding 48hr method hold time.

Analyst(s)
Kyeong Corbin (1)

Jerry Drapala Ph.D, Laboratory Manager
or Other Approved Signatory

Any questions please contact Jerry Drapala.

Initial report from: 11/23/2018 10:26:04

Samples analyzed by LA Testing South Pasadena, CA CA ELAP 2283

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18k0170

Customer: IPC, Inc.		Project : **(MCC) Annual EFF**	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/07/18	1130	1	Priority Metals	Grab	AQ	1L P	HN	
			1	Hex Cr	Grab	AQ	250 P	4°C	
			2	624 Priority	Grab	AQ	VOA	4°C	
			2	625 Priority, 608 Priority	Grab	AQ	1L G	4°C	
			1	CN	Grab	AQ	250 P	OH, AA	
			1	Asbestos	Grab	AQ	1L G	4°C	
			6	17-Estradiol, Caffeine, NDMA,Triciosan, DEET, Sucralose	Grab	AQ	1L G	4°C	

Signature	Print Name (Company)	Date	Time
Relinquished by: C.	Carlos Alvarez (PCE)	11/07/18	
Received by:	PCE	11/7/18	12:06
Relinquished by:	PCE	11/7/18	2:15
Received by:			
Relinquished by:			
Received in lab by:	PCE	11-7-18	1415

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who/that requests laboratory services, commodities, sampling services and/or products, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or removed from time to time by PCL.

2. Independent Contractor

PCL will solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (or deliverables) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.
The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes an acceptance by the client of PCL's offer to do business with the client under the Terms and conditions and PCL an agreement to be bound by these terms and conditions.
The Client's delivery of samples to PCL or location of collection services constitutes the client's express assent to be governed by these terms and conditions. No inconsistent or additional terms and conditions proposed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. When applicable, PCL will use accepted methodologies which are substantially consistently with the U.S. Environmental Protection Agency (EPA), SW Wastebrand (SWAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedure (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or subcontractors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that this Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials received by/used or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is the public domain or client has given to you PCL for all or part under which information is required to be disclosed by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and that shall be responsible for unauthorized disclosure of such data when such confidentiality is required by this agreement. Reports and/or the data for the sole benefit of client and PCL. Agreements shall be no third party beneficiaries of such reports, data or information. Clients will not disclose to any third party any information arising from or in connection with this agreement or any PCL procedures.

10. Hold Harmless

Client indemnifies and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and expenses (including reasonable attorneys' fees and litigation expenses) and amounts arising in favor of Client, many third party, as a result of, and/or in any way arising incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or interpretation, handling, or disposal of client's hazardous materials. [ ] Client agrees to waive all remedies of punitive damages in any of the foregoing losses, costs, damages, or similar causes of action to the extent arising out of or in connection with the negligence or willful misconduct of PCL or its employees. Further, the indemnity shall additionally apply to losses, claims, damages, actions of every kind and nature arising out of or in connection with the negligence of or breach of contract by any unidentified person, whether acting or alleged in the performance of services under this agreement. The foregoing indemnity will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. During period necessary under applicable law, client agrees that it will maintain general or will be supported by available liability insurance coverage to be furnished by client, which limitations shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation expenses and other fees (including, without limitation, attorneys' fees, court costs, and fair pre-and judgment interest) or any other expenses to which indemnified client or any other party is/are subjected against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation thereof (any thereof the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's [illegible] sample disposal fee, per sample collected, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect during each of operations at the time the services are rendered or such prices agreed upon between in writing. The price schedule is subject to change at any time without notice. Payment is due in full when client is connected to responsible at the client's history of payment and if credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET [illegible] thirty (30) days from date of invoice. To the fullest extent permitted by law, all the applicable law, any amount unpaid or the end of thirty (30) days from date of invoice shall bear interest at the rate of one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are referred through legal proceedings or to an attorney for collection, reasonable costs and attorney's fees incurred with such collection proceedings or efforts.

13. Agreement Modification

Changes, or modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client, as through representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use or reliance on data, information, or reports furnished by [illegible] in providing services hereunder for the client. Except, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third parties may rely on such data, information or reports. Client represents, warrants, and agrees, in all said data, information, and reports are not incomplete, or misleading or to mislead upon, in connection with or as part of this purpose, sale, underwriting, or dissemination of any securities, any portfolio, or other recipient to the holders of any security, the issuing, government, recipient, or extension of any loan from any financial institution or other lender or the solicitation of contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less samples must arrive within 72 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-3 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 24 hours or less (24 hours or less) must be delivered on the same day in order to guarantee holding times are met. After hours, late deliveries, freight company delays or similar issues are subject to additional rush fees and/or the stability of short holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after invoice has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

If pick up/sampling fees have been indicated on the fee schedule, Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Nov-18 14:59
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0166-01) Collected: 07-Nov-18 By IPC						
pH	SM4500-H-B	AK80817	0.1	07-Nov-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK80752	0.05	07-Nov-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK80744	1.8	09-Nov-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK80744	1.8	09-Nov-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18k0166

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine	CA 92618	Report Attention: C.	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/07/18	1130	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.4
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
1	1	1							

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCC)	11/07/18	
Received by		PCC	11/8/18	12:06
Relinquished by		PCC	11/7/18	2:18
Received by				
Relinquished by				
Received in lab by		PCL	11-7-18	1418

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations

HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

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The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

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6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for misalignment (inclusion of said data where such standard was observed). PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software or systems or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing, and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 1-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Nov-18 15:01
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0200-01) Collected: 08-Nov-18 By IPC						
pH	SM4500-H-B	AK81031	0.1	08-Nov-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK80904	0.05	09-Nov-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK80816	1.8	10-Nov-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK80816	1.8	10-Nov-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/15/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0200

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention: C. Cano.	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/08/18	1000	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Cano.	Carlos Alvarez Cepe		
Received by	Eb Evans	PCL	11/8/18	1240
Relinquished by	Eb Evans	PCL	11/8/18	1340
Received by				
Relinquished by				
Received in lab by	PCL	PCL	11-8-18	1340

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

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The Client may order services by submitting a written order of materials (OFC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound to these terms and conditions.
The Client's delivery of samples to PCL or substantively consulting services constitutes the client's unconditional assent to be governed by these terms and conditions. No additional or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

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Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

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PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data on file for samples provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has filed to pay PCL for all services rendered or as otherwise in breach of the agreement) subject to any discovery required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any communication concerning technical information, software and/or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (the Litigation Expenses) and awards, arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this Agreement and/or transportation, handling, or disposal of client's material(s) hereunder. 1. injury, disease or death of persons 2. loss of, damage to, theft of, or loss of use of property and/or 3. financial loss of every kind or nature. This indemnity does not apply to any of the foregoing losses, costs, damages or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, liabilities, attorneys' fees and costs and expenses arising and/or in connection with the negligence or breach of contract by any independent person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients, clients with a history of payment and/or credit account has not been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client will pay reasonable costs and attorney's fees for services then associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to rely upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of the securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less' samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria in 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-Nov-18 14:09
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0412-01) Collected: 20-Nov-18 By IPC						
pH	SM4500-H-B	AK82142	0.1	20-Nov-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK82144	0.05	21-Nov-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK82033	1.8	22-Nov-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK82033	1.8	22-Nov-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/29/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18k0412

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C. [redacted]	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/20/18	1230	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			[redacted]	[redacted]	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	[redacted]	Carlos Alvarez (IPC)	11/20/18	
Received by	VGG	Carlos Alvarez	11/20/18	1230
Relinquished by	EG	Evan [redacted]	11/20/18	1500
Received by				
Relinquished by				
Received in lab by		PIL	11.20.18	1500

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined hereunder) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for any inadvertent disclosure of such data where such standard was observed. PCL's reports and information provided hereto are for the exclusive use and benefit of client and client agrees that shall not to third party benefit any of our reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (including other Experts) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, misuse of use of property and/or 3. financial losses of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of any misrepresentation and the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for interest, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption, litigation expenses or other fees (including without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an authorized PCL and by the duly authorized representative, except that subsequent orders for additional services may be verbal or by faxing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any pending or other revisions to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

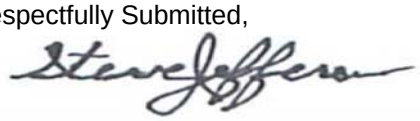
Attention: Ric Vardel
Report Date: 29-Nov-18 14:13
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0454-01) Collected: 21-Nov-18 By IPC						
pH	SM4500-H-B	AK82203	0.1	21-Nov-18 (JC)	7.0 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK82205	0.05	22-Nov-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK82139	1.8	23-Nov-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK82139	1.8	23-Nov-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/29/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0454

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. [illegible]	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/21/18	1245	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.0 / 18.3°C
			1	[illegible]	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. [illegible]	Carlos Alvarez (PCL)	11/21/18	1258
Received by	[illegible]	MARIO SANTIESTEBAN (PCL)	11/21/18	1258
Relinquished by	[illegible]	MARIO SANTIESTEBAN (PCL)	11/21/18	1600
Received by				
Relinquished by				
Received in lab by	[illegible]	PCL	11.21.18	16:00

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

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PCL acts solely as an independent contractor in performing all services.

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PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

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For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (EAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

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Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered) or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or sample(s) receiving, handling, or disposal of client's hazardous materials. 1. injury, illness or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or in breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenils, battery's or any other hazardous or toxic material, wastes and substances which are defined, determined or identified at such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established client account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal action, including by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (2-7 days), samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-Nov-18 14:38
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0455-01) Collected: 21-Nov-18 By IPC						
Ammonia as N	EPA 350.1	AK82627	0.10	26-Nov-18 (SGS)	0.46 mg/l	
Biochemical Oxygen Demand	SM 5210B	AK82143	2	26-Nov-18 (EA)	<2 mg/l	
Nitrate as N	EPA 353.2	AK82135	0.10	21-Nov-18 (LA)	5.62 mg/l	
Nitrite as N	EPA 353.2	AK82135	0.02	21-Nov-18 (LA)	0.08 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AK82635	0.10	27-Nov-18 (LA)	0.90 mg/l	
Total Suspended Solids	SM 2540D	AK82631	1	26-Nov-18 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/29/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0855

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine	CA 92618	Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/21/18	1245	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPL)	11/21/18	1258
Received by		MARIO SANTIESTEBAN (PCL)	11/21/18	1258
Relinquished by		MARIO SANTIESTEBAN (PCL)	11/21/18	1600 1258
Received by				
Relinquished by				
Received in lab by			11/21/18	1600

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it employs in protecting its own confidential data and that it will not knowingly be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and do not confer third party beneficiary rights on any reports, data or information. Client will not disclose to any third party any information containing test results, methodology, software programs or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, claims, suits, demands, causes of action, costs and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and costs arising in favor of Client or any third party, as a result of, and/or in any way arising, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or subsequent work, handling or disposal of client's hazardous materials. Client shall indemnify all persons 2. loss of, damage to, loss of use of property and/or 3. Contamination of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, and to the extent legally permissible, Client shall indemnify, hold harmless and defend PCL from any and all claims, demands, causes of action, liabilities, losses, damages, actions of every kind and character, arising out of or in connection with the negligence or tortious breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption) (litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. For analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (excepting is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be processed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

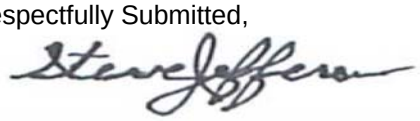
Attention: Ric Vardel
Report Date: 29-Nov-18 14:40
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18K0456-01) Collected: 21-Nov-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AK82143	2	26-Nov-18 (EA)	433 mg/l	
Total Suspended Solids	SM 2540D	AK82631	1	26-Nov-18 (EA)	287 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/29/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18RC 456

Customer: IPC, Inc.		Project : **(MCC) Weekly INF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
INF	11/21/18	1235	1	TSS	Grab	AQ	1L P	4°C	
	1	1	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GRC)	11/21/18	1250
Received by		MARIO SANTIESTEBAN (PCL)	11/21/18	1258
Relinquished by		MARIO SANTIESTEBAN (PCL)	11/21/18	1600
Received by				
Relinquished by				
Received in lab by		PCL	11.21.18	16:00

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? **Yes** No

Samples intact? **Yes** No

Samples properly preserved? **Yes** No

Samples in holding time? **Yes** No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or industrial consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, processes or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, suits, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client, or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law of one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees in essential fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 8pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less' samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria 6-8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

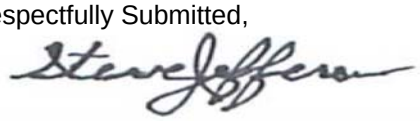
Attention: Ric Vardel
Report Date: 29-Nov-18 14:19
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0466-01) Collected: 22-Nov-18 By IPC						
pH	SM4500-H-B	AK82305	0.1	22-Nov-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK82306	0.05	23-Nov-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK82204	1.8	24-Nov-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK82204	1.8	24-Nov-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/29/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0465-01

Customer: Point Dume Treatment Plant		Project: Daily	
Address: 29500 Heather Cliff Road		Sampled by: Evan	P.O. #:
Malibu CA 90265		Report Attention: Patrick Dolan	Phone #: (310) 457-1481

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
Wastewater Final Effluent	4/22/18	1030	1	Total Coliform	Grab	AQ	Coli	ST	7.39
Wastewater Final Effluent			1	pH	Grab	AQ	250 P	4°C	

Signature	Print Name (Company)	Date	Time
Relinquished by			
Received by	[illegible]	4/22/18	1030
Relinquished by			
Received by			
Relinquished by			
Received in lab by	PAC	11-22-18	1030

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered, or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care as it uses in protecting its own confidential data and that it will not be responsible for any additional measure of care. Furthermore, such confidentiality shall not apply to PCL's reports and information provided hereto are for the exclusive use and benefit of client and PCL agrees there shall be no third party beneficiary of PCL's reports, data or information. Client will not disclose to any third party any information concerning technical information, software or systems of other consultants.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, actions or causes of action, costs and expenses including, but not limited to reasonable attorneys' fees (the Litigation Expenses) and costs arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. Liquidated damages of pursuant to 2. loss of, damage to, loss of, or loss of use of property and/or 3. Personal loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnification specifically applies to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by the duly authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to induce upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any person, or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria lab hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-Nov-18 14:22
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0473-01) Collected: 23-Nov-18 By IPC						
pH	SM4500-H-B	AK82416	0.1	23-Nov-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK82417	0.05	24-Nov-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK82304	1.8	25-Nov-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK82304	1.8	25-Nov-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/29/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0473

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/23/18	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			[redacted]	[redacted]	Grab	AQ	1L P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (SAC)	11/23/18	1200
Received by	EL	Ewall PCI	11/23/18	1200
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Valle JR	11/23/18	1357

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid AI - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SQ - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined hereof) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written client purchase order (CPO) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of this contract created upon acceptance of the terms and conditions.

For purpose of this Agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of Client and Client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any proprietary or confidential technical information, software programs or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and current harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to, attorneys fees, litigation expenses and awards arising in favor of Client or any third party as a result of, relating in any way to any incident occurring out of or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, illness or death of persons; 2. loss of, damage to, loss of use of or loss of use of property and/or 3. fines, penalties of every kind or character. This indemnity does not extend to any of the foregoing losses, costs, damages, or injuries caused solely by the active negligence or willful misconduct of PCL or its employees. In order that indemnity as set forth above is given full force and effect, it is intended that it shall apply to claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or on services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client or authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished to PCL. Client is retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 08-Jan-19 14:24
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EQT (Sample I.D.# : 18K0474-01) Collected: 23-Nov-18 By IPC						
Boron	EPA 200.7	AL81926	0.10	19-Dec-18 (AF)	0.46 mg/l	
MBAS	SM 5540C	AL81407	0.20	14-Dec-18 (PL)	0.34 mg/l	O-04
Oil & Grease (HEM)	EPA 1664A	AK82625	5	26-Nov-18 (WW)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AL81735	0.03	17-Dec-18 (LA)	1.81 mg/l	
Total Dissolved Solids	SM 2540C	AL81737	5	19-Dec-18 (EA)	752 mg/l	O-04
Chloride	EPA 300.0	AL81729	1.0	17-Dec-18 (AV)	169 mg/l	
Sulfate as SO4	EPA 300.0	AL81729	0.5	17-Dec-18 (AV)	111 mg/l	

Notes and Definitions

O-04 This sample was analyzed outside the EPA recommended holding time.

Respectfully Submitted,

Steve Jefferson 1/8/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0474

Customer: IPC, Inc.		Project: (MCD) Monthly Process	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EQT	11/23/18	1125	1	TSS	Grab	AQ	1L P	4°C	
			1	Oil&Grease	Grab	AQ	1L G	HC	
			1	TKN	Grab	AQ	500 P	HS	
			1	COD	Grab	AQ	250 P	Sulfuric	

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez	11/23/17	1200
Received by	EG	Evalo pcl	11/23/18	1200
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Alex Walker Jr	11/23/18	1402

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: 4°

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: (Grab) Comp

Matrix: (AQ - Water) SO - Soil / Sludge, OT - Other

Bottle Type: (P - Plastic) G - Amber Glass, VOA - 40 ml Vial, Coli - bacteria

Preservations: (HC - HCl) (HS - H_2SO_4) HN - HNO_3, HP - H_3PO_4, OH - NaOH, ST - Sodium Thiosulfate, AA - Ascorbic Acid, Al - $AlCl_3$, Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined hereto) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the Client under the Terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the various materials provided by client or to client's consent and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain, or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and such agreement shall in no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other manipulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses in damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to attorneys fees (the litigation expenses) and expert witness fees of Client, its employees, third parties as a result of, and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement without limitation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or expenses proximately caused by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption (expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified at such under federal, state or local laws, rules, PCL policies or regulations (whether now owning or hereafter enacted or promulgated or any judicial or administrative interpretation of any (hereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's property shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all selected portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for its disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, as set forth in our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's authorized price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or upon analysis is required for all new clients or prior to delivery of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees to PCL that associated with such collection plus equitable effects.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by one an authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (2-7 days), samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short holding times of 48 hours or less (Subject to 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be disposed of at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-Nov-18 14:25
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0477-01) Collected: 24-Nov-18 By IPC						
pH	SM4500-H-B	AK82523	0.1	24-Nov-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK82524	0.05	25-Nov-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK82419	1.8	26-Nov-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK82419	1.8	26-Nov-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/29/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0477

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Golan Kfir	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/24/18	10:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			~~1~~	~~BOD~~	~~Grab~~	~~AQ~~	~~1L P~~	~~4°C~~	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	11/24/18	1050
Received by			
Relinquished by Jose L Gomez	Jose Gomez	11-24-18	1056
Received by			
Relinquished by			
Received in lab by	Alex Walker JR	11/24/18	1241

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. **Definitions**

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request information, services, consulting or sampling services and must complete, sign and/or accept and represent such. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. **Independent Contractor**

PCL is to act as an independent contractor in performing its services.

3. **Orders and Acceptance**

All orders and written requests for services or materials (orders) PCL accepts are subject to these Terms and Conditions (the "Terms"). These Terms shall govern the PCL and the Client that have executed a separate agreement or written sales quote incorporating these Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written order of facsimile (FAX) to PCL. Any such order or quotes if, as acceptable to the client of PCL's offer to do business with the client under the terms and conditions and 2) an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No particular or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. **Limit of Liability**

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodology to which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the reasonable standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary or any client purchase orders or contracts.

5. **Clients Responsibility**

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. **Cancellation**

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. **Overriding Agreement**

The parties agree that the Terms shall govern performance of Client's contract with all subsequent orders for additional services, whether placed in writing or on-site, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. **Force Majeure**

PCL shall not be responsible for delay or failure to perform the services required by this agreement due to causes beyond its control.

9. **Confidentiality**

Data and the sample matrix and location to client or its agents designated by the client, collected by PCL will be held in confidence, except with client's written approval or as required by law. Client agrees that all data available to the public or in the public domain is the property of PCL for all services performed. In the event of breach of this agreement, subject to any applicable requirements by law, PCL reserves the right to withhold any data or reports pending payment in full by client. Client agrees that PCL shall not be responsible for any loss, damage or liability arising from the publication or dissemination by client or its agents of any data, report or opinion issued by PCL to client. Client agrees to indemnify, defend and hold harmless PCL, its officers, agents, employees and successors from and against any and all claims, demands, losses, liabilities, damages, costs and expenses, including reasonable attorneys' fees, arising out of or in connection with the publication or dissemination by client or its agents of any data, report or opinion issued by PCL to client.

10. **Hold Harmless**

Client indicates that all samples submitted to PCL are properly identified and that PCL is provided with any information necessary to perform all requested services in accordance with applicable laws and regulations. Client shall indemnify, defend and hold harmless PCL and its officers, agents, employees and successors from and against any and all claims, demands, losses, liabilities, damages, costs and expenses, including reasonable attorneys' fees, arising out of or in connection with the performance of services by PCL hereunder, except to the extent such claims, demands, losses, liabilities, damages, costs and expenses are caused by the gross negligence or willful misconduct of PCL or its officers, agents, employees or successors. The foregoing shall not be construed to require client to indemnify PCL for any claims, demands, losses, liabilities, damages, costs and expenses caused by the gross negligence or willful misconduct of PCL or its officers, agents, employees or successors. To the extent necessary to effectuate the foregoing indemnity, client waives any immunity it may have under any applicable workers' compensation laws or other statutes or regulations limiting the amount of such indemnity. Client agrees that the foregoing indemnity shall apply notwithstanding any theory of recovery or cause of action asserted against client, including, without limitation, any theory or cause of action based on strict liability or negligence. Client's indemnity obligations under this paragraph shall survive the termination of this agreement.

11. **Hazardous Substances**

For PCL to perform the services required by client, client will provide PCL with all relevant information and documentation concerning the presence of hazardous substances, hazardous waste or potentially hazardous materials on any property owned or controlled by client, whether such information is known to client or reasonably ascertainable by client. Client will also inform PCL of any special handling, storage, transportation, disposal, clean-up or other requirements with respect to any hazardous substances, hazardous waste or potentially hazardous materials that may be encountered at or identified during the performance of the services by PCL hereunder. Client represents, warrants and agrees that PCL will not be responsible for the identification, existence, treatment, removal, storage, transportation, disposal, clean-up or other handling of any hazardous substances, hazardous waste or potentially hazardous materials in connection with the services performed by PCL hereunder. Client shall indemnify, defend and hold harmless PCL and its officers, agents, employees and successors from and against any and all claims, demands, losses, liabilities, damages, costs and expenses, including reasonable attorneys' fees, arising out of or in connection with the presence, existence, treatment, removal, storage, transportation, disposal, clean-up or other handling of any hazardous substances, hazardous waste or potentially hazardous materials in connection with the services performed by PCL hereunder, except to the extent such claims, demands, losses, liabilities, damages, costs and expenses are caused by the gross negligence or willful misconduct of PCL or its officers, agents, employees or successors. Client's indemnity obligations under this paragraph shall survive the termination of this agreement.

Client understands and agrees that any hazardous material received by PCL from client or client's agent shall remain the property of Client at all times. Upon completion of PCL's services, PCL will dispose of the unused portions of samples as specified by client or by PCL's DHSC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any and all analytical analysis, client will be charged a sample disposal fee. Soil samples submitted, as well as all samples will be disposed in accordance with DHSC policies and procedures.

12. **Prices/Payments**

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of submissions on the date the services were rendered or work was completed and delivered to client in writing. The price schedule is subject to change at any time without notice. Payments to advance or as the services are rendered. A finance charge of 1.5% per month or the maximum charge allowed by law, whichever is greater, shall be added to all accounts not paid within 30 days of the date of the invoice. If client's account with PCL is not paid within 30 days of the date of the invoice, PCL may place the account for collection. Client shall pay all costs of collection, including reasonable attorneys' fees, if any, and all costs incurred by PCL in connection with such collection procedure or efforts.

13. **Agreement Modification**

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an authorized PCL employee. Client's failure to object to terms contained in any subsequent communication, such as confirmation, invoice or boilerplate, shall not be deemed an acceptance of such terms.

14. **No Third Party Beneficiaries; No Right of Reliance**

PCL assumes no responsibility or liability for any claim or loss arising out of data, information or reports furnished by PCL. Client is providing services only for its own benefit, and not as agent or broker, or in any other representative capacity, for any other person or entity. It is agreed and understood that there are no third party beneficiaries to this agreement and that no third party may rely on or publicize information prepared. Client represents, warrants, and agrees that said data, information and reports are not intended, or shall be used to serve upon, in connection with or as part of, the public sale, underwriting, or distribution of any securities, any persons or other reliance on the holders of this service, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or determining, with finality or indirectly, any governmental agency or department.

15. **Rush Analysis**

Rush analyses are available for an additional charge and must be requested in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. **Holding Times**

PCL cannot be responsible for holding times that are exceeded per suite of samples that are collected on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less' samples must arrive within 96 hours to allow PCL to meet the holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to allow time for the holding times can be met. Short holding times of 48 hours or less (biological 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company, delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. **Sample Retention**

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be disposed at the end of the normal and storage time.

18. **Sample Pick Up/Field Tech Sampling**

If pick up/sampling has been scheduled in advance and subsequently rescheduled, a minimum of 24 hours notice is required to avoid a late cancellation charge. Any cancellation of scheduled sampling less than 24 hours notice will be charged a minimum of $150.00 per hour for the time scheduled.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-Nov-18 14:27
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0482-01) Collected: 25-Nov-18 By IPC						
pH	SM4500-H-B	AK82525	0.1	25-Nov-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK82622	0.05	26-Nov-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK82522	1.8	27-Nov-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK82522	1.8	27-Nov-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/29/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0482

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: JULIO LEAL	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	11-25-18	08:30	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.52/16.1°C
	/	/	1	~~BOD~~	~~Grab~~	~~AQ~~	~~1L P~~	4°C	
	/	/	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	11-25-18	12:10
Received by	Jordan Corkery	11-25-18	12:10
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	11-25-18	13:38

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any, unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-Nov-18 14:31
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0494-01) Collected: 26-Nov-18 By IPC						
pH	SM4500-H-B	AK82720	0.1	26-Nov-18 (SJ)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK82709	0.05	27-Nov-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK82634	1.8	28-Nov-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK82634	1.8	28-Nov-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/29/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0494

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir Report Attention: Carlos Alvarez	P.O. #: 949-382-9067 Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/26/18	1115	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (GPC)	11/26/18	
Received by			11/26/18	1250
Relinquished by			11/26/18	1340
Received by				
Relinquished by				
Received in lab by		PCL	11-26-18	1340

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from and against any and all liability, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the "Obligation Expenses") and awards arising in favor of client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, illness or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability of PCL to client apart from this agreement. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or its services provided under this agreement except client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenols, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteriology 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noticed on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 29-Nov-18 14:35
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0532-01) Collected: 27-Nov-18 By IPC						
pH	SM4500-H-B	AK82820	0.1	27-Nov-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK82810	0.05	28-Nov-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK82719	1.8	29-Nov-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK82719	1.8	29-Nov-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 11/29/2018
Laboratory Director

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Dec-18 15:12
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0531-01) Collected: 27-Nov-18 By IPC						
Ammonia as N	EPA 350.1	AK82817	0.10	28-Nov-18 (SGS)	0.32 mg/l	
Biochemical Oxygen Demand	SM 5210B	AK82822	2	03-Dec-18 (SGS)	<2 mg/l	
Nitrate as N	EPA 353.2	AK82814	0.02	28-Nov-18 (LA)	1.89 mg/l	
Nitrite as N	EPA 353.2	AK82814	0.02	28-Nov-18 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AK82813	0.10	29-Nov-18 (LA)	0.80 mg/l	
Total Suspended Solids	SM 2540D	AK82818	1	28-Nov-18 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/4/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0531

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/27/18	1155	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (PCL)	11/27/18	1407
Received by		MARIO SANTIESTEBAN (PCL)	11/27/18	1407
Relinquished by		MARIO SANTIESTEBAN (PCL)	11/27/18	1755
Received by				
Relinquished by				
Received in lab by		PCL	11-27-18	1755

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto to which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provision to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by Client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and except agreed there shall be no third party beneficiary of such reports, data or information. Clients will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to all court fees (the "Litigation Expenses") and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials: 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, liabilities, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when invoice is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by all applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or experts' fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective on in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Dec-18 15:14
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18K0534-01) Collected: 27-Nov-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AK82822	2	03-Dec-18 (SGS)	526 mg/l	
Total Suspended Solids	SM 2540D	AK82818	1	28-Nov-18 (SGS)	117 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/4/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0534

Customer: IPC, Inc.		Project: (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention: C.Q.	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	11/27/18	1215	1	TSS	Grab	AQ	1L P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
1	1	1							

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/27/18	1705
Received by		MARIO SAN TESTEBAN (PCL)	11/21/18	1405
Relinquished by		MARIO SAN TESTEBAN (PCL)	11/21/18	1756
Received by				
Relinquished by				
Received in lab by		PCL	11.21.18	1756

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
~~AQ~~ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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1. Definitions

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent, harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees and litigation expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1) injury, sickness or death of persons, 2) loss of, damage to, loss of, or loss of use of property and/or 3) financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of/or in connection with the negligence of or breach of contract by any indemnified Parties, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption) (litigation) expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or on services provided under this agreement even if client is the prevailing party.

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12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect on the date of operation or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when only in part completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. In the failed event performance of all will be unsatisfactory, any amount owing to the undersigned (Pat Chem) is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees of client's fees associated with such collection procedure or efforts.

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PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institutions or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

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PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

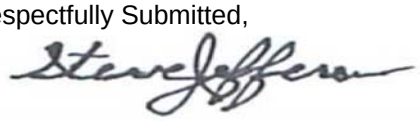
Attention: Ric Vardel
Report Date: 30-Nov-18 15:10
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0564-01) Collected: 28-Nov-18 By IPC						
pH	SM4500-H-B	AK82918	0.1	28-Nov-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK82905	0.05	29-Nov-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK82825	1.8	30-Nov-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK82825	1.8	30-Nov-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 11/30/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0564

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention: Carlos Alvarez	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/28/18	0820	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	11/28/18	
Received by			11/28/18	1240
Relinquished by			11/28/18	1330
Received by				
Relinquished by				
Received in lab by			11/28/18	1354

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

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For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client. Agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent) harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal police. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were tendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or consulting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Dec-18 15:02
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0604-01) Collected: 29-Nov-18 By IPC						
pH	SM4500-H-B	AL80130	0.1	29-Nov-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AK83016	0.05	30-Nov-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK82913	1.8	01-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK82913	1.8	01-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/4/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0604

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention: C.A.	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/29/18	1125	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Amaya (CA)		
Received by		Stephen Denbesten (PCL)	11/29/18	11:28
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Stephen Denbesten	11/29/18	12:50

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Dec-18 15:05
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18K0676-01) Collected: 30-Nov-18 By IPC						
pH	SM4500-H-B	AL80130	0.1	30-Nov-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL80129	0.05	01-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AK83012	1.8	02-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AK83012	1.8	02-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/4/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18K0676

Customer: IPC, Inc.		**Project:** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** C. D.	**P.O. #:**
Irvine CA 92618		**Report Attention:** Ric Vardel / Golan Kfir	**Phone #:** 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	11/30/18	1035	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
~~4~~			~~BOD~~		~~Grab~~	~~AQ~~	~~1L P~~	~~4°C~~	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (3Pc)	11/30/18	
Received by	EG Enab	PIC	11/30/18	1325
Relinquished by				
Received by				
Relinquished by				
Received in lab by		PIC	11-30-18	1325

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

55

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem laboratories (PCL) standard price schedule as such document may be amended or relevant from time to time by PCL.

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The client may order services by submitting a written Client Letter of Authority (LOC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

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PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

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Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered) or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data when such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of our reports, data or information. Client will not disclose to any third party any interpretation using technical information, software, programs or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against and all liabilities, losses, damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, attorneys' fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials; 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind and description. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by PCL or its negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and nature, for which PCL is held liable in connection with the negligence of or breach of contract by any intermediate person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnification will be in addition to any liability which the Client might otherwise have on PCL and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other loss including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from clients at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or credit analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or as to applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agency fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative. Except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent, or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or solicitation of any securities, any periodic, or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institutions or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (biochemical 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Dec-18 15:07
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0017-01) Collected: 01-Dec-18 By IPC						
pH	SM4500-H-B	AL80430	0.1	01-Dec-18 (SS)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL80224	0.05	02-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL80128	1.8	03-Dec-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL80128	1.8	03-Dec-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/4/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810017

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/1	9:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
~~1~~			~~1~~	~~BOD~~	~~Grab~~	~~AQ~~	~~1L P~~	~~4°C~~	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Ric Vardel (IPC)	12/1	9:50
Received by			
Relinquished by	Jose L Gomez	12/1/18	1050
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	12/1/18	1314

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**AI** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and do not agree there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent companies from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses in other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or on services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (except for 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 04-Dec-18 15:10
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0021-01) Collected: 02-Dec-18 By IPC						
pH	SM4500-H-B	AL80430	0.1	02-Dec-18 (SS)	6.9 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL80224	0.05	02-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL80222	1.8	04-Dec-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL80222	1.8	04-Dec-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/4/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810021

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric VARDEL	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/2	0945	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
~~2W~~			~~1~~	~~BOD~~	~~Grab~~	~~AQ~~	~~1L P~~	~~4°C~~	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Ric VARDEL (IPC)	12/2	0950
Received by Jordan Corkery	Jordan Corkery	12/4/15	1305
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	12/2/15	1426

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

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PCL acts solely as an independent contractor in performing all services.

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PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

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Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereby are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorneys' fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's Hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted (if at all) by applicable law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law, or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the classification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab is min 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 06-Dec-18 10:43
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0048-01) Collected: 03-Dec-18 By IPC						
pH	SM4500-H-B	AL80430	0.1	03-Dec-18 (SS)	7.7 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL80417	0.05	04-Dec-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL80331	1.8	05-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL80331	1.8	05-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/6/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 12 Loone

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive Irvine CA 92618	Sampled by: Ric Vardel / Golan Kfir Report Attention: Carlos Arana	P.O. #: 949-382-9067 Phone #:	

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/02/18	12:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	(	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by: C. Arana	Carlos Arana (IPC)	12/03/18	
Received by: EG	Eric G	12-3-18	1200
Relinquished by: EG	Eric G	12/3/18	1230
Received by:			1340
Relinquished by:			
Received in lab by:	PAL	12-3-18	1340

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or replaced from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made in a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the conditions which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence. Unless such information is generally available to the public, is in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process, PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized dissemination of such data which could not have been avoided if PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any proprietary or confidential technical information, software or methods or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to, attorneys fees (plus litigation expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property, or any 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, penalties of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, battery or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to solicit under, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any permit, or other relating to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times with storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times ≤ 7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

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All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Dec-18 16:22
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0128-01) Collected: 04-Dec-18 By IPC						
pH	SM4500-H-B	AL80543	0.1	04-Dec-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL80546	0.05	05-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL80431	1.8	06-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL80431	1.8	06-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/7/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 181028

Customer: IPC, Inc.		**Project :** (MCC) Daily EFF	
Address: 9297 Research Drive		**Sampled by:** Ric Vardel / Golan Kfir	**P.O. #:** 949-382-9067
Irvine CA 92618		**Report Attention:** C. Duran	**Phone #:**

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/04/18	1215	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Duran	Carlos Duran (IPC)	12/04/18	
Received by	Golan Kfir	Golan Kfir (IPC)	12/4/18	1240
Relinquished by	Golan Kfir	Golan Kfir (IPC)	12/4/18	1430
Received by				
Relinquished by				
Received in lab by		PLC	12-4-18	1430

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

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PCL acts solely as an independent contractor in performing all services.

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PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and condition. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

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PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use only those methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), LA Water Board (LELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employers or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims causes, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material; wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from dated invoices. To the fullest extent permitted or as will be applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to rely upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any persons or other relating to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noticed on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 07-Dec-18 16:25
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0208-01) Collected: 05-Dec-18 By IPC						
pH	SM4500-H-B	AL80616	0.1	05-Dec-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL80617	0.05	06-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL80541	1.8	07-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL80541	1.8	07-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/7/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1820208

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention: C. Q.	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/05/18	1155	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Q.	Carlos Alvarado (IPC)	12/05/18	
Received by	Golan Kfir		12/5/18	9300
Relinquished by	Golan Kfir		12/5/18	1500
Received by				
Relinquished by				
Received in lab by	PL		12.5.18	1500

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	AI - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereon are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, illness or death of persons 2. loss of, damage to, lost of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence or in breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

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Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Dec-18 16:45
Subject: (MCC) Monthly EFF

Project/P.O.#: (MCC) Monthly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0209-01) Collected: 05-Dec-18 By IPC						
Boron	EPA 200.7	AL81025	0.10	10-Dec-18 (AF)	0.40 mg/l	
MBAS	SM 5540C	AL80607	0.20	06-Dec-18 (PL)	<0.20 mg/l	
Oil & Grease (HEM)	EPA 1664A	AL81026	5	10-Dec-18 (WW)	<5 mg/l	
Phosphorus, Total as P	EPA 365.1	AL81227	0.03	13-Dec-18 (LA)	0.74 mg/l	
Total Dissolved Solids	SM 2540C	AL81032	5	13-Dec-18 (EA)	636 mg/l	
Chloride	EPA 300.0	AL80606	1.0	06-Dec-18 (AV)	178 mg/l	
Sulfate as SO4	EPA 300.0	AL80606	0.5	06-Dec-18 (AV)	96.2 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/17/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1910209

Customer: IPC, Inc.		Project : (MCC) Monthly EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/05/18	1155	1	SO4, Cl, TDS	Grab	AQ	1/2 Gal. P	4°C	
			1	MBAS	Grab	AQ	500 P	4°C	
			1	Oil & Grease	Grab	AQ	1L G	HC	
			1	Boron	Grab	AQ	250 P	HN	
			1	T.Phos	Grab	AQ	250 P	4°C	
Geotracker EDD:									
Logcode: IPCI									
Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Arana (PCL)	12/05/18	
Received by			12/5/18	1700
Relinquished by			12/5/18	1750
Received by				
Relinquished by				
Received in lab by		PCL	12.5.18	1500

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

55

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these terms and conditions of sale, including the price schedule and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and/or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

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PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms do not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

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The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "Services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

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PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), 40 Waterboard (ESAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided hereon, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

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6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses to protect its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information including technical information, software, equipment or other technologies.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses or damages, claims, demands, causes of action, liens and reasonable expenses including, but not limited to, all court fees, (the Litigation) sustained and asserted/arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, i.e. injury, disease or death of persons 2. loss of, damage to, 3. Loss of use of property and or 3. Future/lost loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or liability caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, accident of every kind and character arising out of or in connection with the negligence or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by the available liability insurance coverage or as furnished by client, which insurance shall be, to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including without limitation, loss of profits or business interruption, expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any Indemnified Person in connection with this agreement or all services performed under this agreement, even if client or the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL's policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for analytical bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

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13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and no verbal authority, representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries. No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is retaining services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that such data, information and reports are not requested, or shall be used to relied upon, in connection with (a) as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any company, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the participation in or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered to us late or otherwise without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 days or less, samples must arrive within 36 hours to allow PCL to meet holding times without applying a rush surcharge. All client holding times 7-7 days, samples must arrive at the lab within 216 hours before expiration to ensure that the holding time is can be met. Short Holding Times: all 48 hours or less (hydrazine & 6 hours) must be delivered that same day to avoid to avoid/allow holding times are met. After hours, late deliveries, weight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Dec-18 16:48
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0211-01) Collected: 05-Dec-18 By IPC						
Ammonia as N	EPA 350.1	AL80709	0.10	07-Dec-18 (SGS)	0.16 mg/l	
Biochemical Oxygen Demand	SM 5210B	AL80613	2	11-Dec-18 (SGS)	<2 mg/l	
Nitrate as N	EPA 353.2	AL80614	0.005	06-Dec-18 (SGS)	2.43 mg/l	
Nitrite as N	EPA 353.2	AL80614	0.001	06-Dec-18 (SGS)	0.12 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AL80609	0.10	07-Dec-18 (LA)	0.90 mg/l	
Total Suspended Solids	SM 2540D	AL80618	1	07-Dec-18 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/17/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1820211

Customer: IPC, Inc.		Project : **(MCC) Weekly EFF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/05/18	1155	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD					

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/05/18	
Received by			12/05/18	1300
Relinquished by			12/5/18	1500
Received by				
Relinquished by				
Received in lab by		VLL	12-5-18	1500

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions –

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and PCL in agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other confidential.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and costs related expenses including, but not limited to all court fees (No Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, sickness or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically exclude losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or subsequential damages including without limitation, loss of profit or business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established client account, the terms for payment of charges are NET 30 (thirty) days from date of invoices. To the fullest extent permitted or at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less (samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Dec-18 16:56
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18L0213-01) Collected: 05-Dec-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AL80613	2	11-Dec-18 (SGS)	475 mg/l	
Total Suspended Solids	SM 2540D	AL80618	1	07-Dec-18 (EA)	143 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/17/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810213

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Mohamad Monghasem / Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/05/18	8:50	1	TSS	Grab	AQ	1L P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Mohamad Monghasem	12/05/18	
Received by		12/5/18	1300
Relinquished by		12/5/18	1500
Received by			
Relinquished by			
Received in lab by	PIL	12-5-18	1500

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at Client's request and the results entered by PCL shall be held in confidence unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered, or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care in safeguarding its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have on PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses include fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations in the event the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit approval has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted at all by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

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14. No Third Party Beneficiaries: No Right of Reliance

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

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18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 10-Dec-18 13:31
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0284-01) Collected: 06-Dec-18 By IPC						
pH	SM4500-H-B	AL80723	0.1	06-Dec-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL80720	0.05	07-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL80615	1.8	08-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL80615	1.8	08-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/10/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18L0284

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/06/18	1020	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/06/18	
Received by			12/6/18	1200
Relinquished by			12/6/18	1400
Received by				
Relinquished by				
Received in lab by			12-6-18	1400

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
~~Grab~~ Comp	HC - HCl
Matrix	HS - H_2SO_4
~~AQ~~ - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
~~P~~ - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or replaced from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance to the extent of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent that Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain, or client has failed to pay PCL for all services rendered, or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data. PCL's work standards was implied in PCL reports and information provided thereunder for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Clients will not disclose to any third party any information concerning technical information, software, programs or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to, attorneys' fees (litigation expenses) and assets arising in favor of Client or any third party as a result of, relating in any way or using incident to arising out of, in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, and/or injury of use of property and/or 3. financial loss of every kind or character. This indemnity shall apply to any of the foregoing losses, costs, damages or expenses caused solely by the active negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption, litigation expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance, which analysis is completed is required for all new clients or with a history of payment and/or credit problems have been encountered with PCL. To establish credit or re-established credit/approval, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, any amount unpaid at the end of thirty (30) days shall bear interest at the rate of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. It could be subjected through legal proceedings or by an attorney. The client shall pay reasonable costs and attorney's fees or agents' fees incur, shall with the collection proceedings/efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client authorized representative. Verbal or most subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is assume services responsible for its own records, and not as agent of broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of the securities, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and unique conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times i.e. 2-3 days, samples must arrive at the lab within 24 hours before evaluation to ensure that the holding times can be met. Short Holding Times of 48 hours or less (laboratory is open) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the public stich date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage term.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be invoiced an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

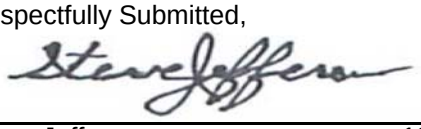
Attention: Ric Vardel
Report Date: 10-Dec-18 13:35
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0362-01) Collected: 07-Dec-18 By IPC						
pH	SM4500-H-B	AL80830	0.1	07-Dec-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL80829	0.05	08-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL80714	1.8	09-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL80714	1.8	09-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/10/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1BL0362

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Mohamad Monghasem	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/07/18	11:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Mohamad Monghasem	12/07/18	
Received by	EB Cu C		12/7/18	1320
Relinquished by	EB Cu C		12/7/18	1430
Received by				
Relinquished by				
Received in lab by			12/7/18	1430

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? ~~Yes~~ No

Samples intact? Yes ~~No~~

Samples properly preserved? Yes ~~No~~

Samples in holding time? Yes ~~No~~

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
~~AQ~~ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
~~P~~ - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its clients, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept clients for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express intent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered) or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it utilizes in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data when such standard was followed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any interpretation, technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and reasonable expenses including, but not limited to, attorneys' fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way accruing, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, and/or loss of use of property and or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages, or expenses caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any professional Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre and post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials") Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance when analysis is considered is required for all new clients or until a history of prompt payment by client account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law or by applicable law, any account unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law of one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agency fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative. Agreed upon subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use or reliance on data, information or reports furnished by PCL. Client in securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity, is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not represented, or shall be used to refine loans, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the participation in or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (2-7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (including 24 hour) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

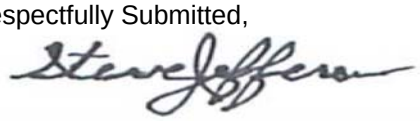
Attention: Ric Vardel
Report Date: 17-Dec-18 16:20
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0391-01) Collected: 08-Dec-18 By IPC						
pH	SM4500-H-B	AL81235	0.1	08-Dec-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL80834	0.05	08-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL80828	1.8	10-Dec-18 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL80828	1.8	10-Dec-18 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/17/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1820391

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/8/18	10:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	12/8/18	10:45
Received by			
Relinquished by Jose L Gomez	Jose L Gomez	12-8-18	1045
Received by			
Relinquished by			
Received in lab by Jordan Corkery	Jordan Corkery	12-8-18	1240

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	**AQ** - Water	**P** - Plastic
Comp	**SO** -Soil / Sludge	**G** - Amber Glass
	OT - Other	**VOA** - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, submitting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (or deliver materials) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of this agreement. Subject to any disclosure required by law or legal process, PCL will use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of client's where such standard was observed. PCL reports pertaining to work provided hereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software or processes of PCL.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to all court fees, (the "Litigation Expenses") and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's Hazardous materials, 1. injury, illness or death of persons 2. loss of, damage to, loss of, illness of use of property and/or 3. financial loss of every kind of nature. This indemnity does not apply to any of the foregoing losses, suits, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by the indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and/or pre-or post-judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required but all new clients or under a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or as set by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are referred to an agency, attorney or by an attorney, the client shall pay all the costs and expenses of such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished to PCL. Client is securing services hereunder for his own account, and not as agent or broker, or any other representative to verify for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any portfolio, or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (typically 0-1 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Dec-18 16:23
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0394-01) Collected: 09-Dec-18 By IPC						
pH	SM4500-H-B	AL81235	0.1	09-Dec-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL81029	0.05	10-Dec-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL80919	1.8	11-Dec-18 (EA)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL80919	1.8	11-Dec-18 (EA)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/17/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810394

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: JULIO LEAL	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12-09-18	08:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.4/21.6
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	12-9-18	9:00
Received by	Jordan Corkery	12-9-18	9:00
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	12-9-18	10:05

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, suits and expenses (including, but not limited to, all court fees, fine, litigation expenses, and attorney acting in favor of Client, or any third party as a result of, and/or in any way arising incident to arising out of, or in connection with the performance of services by PCL pursuant to this Agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property, and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL, or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and shall so for arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person or claim flow with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, Bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and its duly authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in securing services hereunder for his own account, was not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the vesting, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before typical on to ensure that the holding times can be met. Short Holding Times of 48 hours or less (extend to 96 hours) must be delivered mid-week day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been included on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Dec-18 16:25
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0420-01) Collected: 10-Dec-18 By IPC						
pH	SM4500-H-B	AL81235	0.1	10-Dec-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL81127	0.05	11-Dec-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL81033	1.8	12-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL81033	1.8	12-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/17/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810420

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	12/10/18	0915	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/10/18	
Received by			12/10/18	1200
Relinquished by			12/10/18	1320
Received by				
Relinquished by				
Received in lab by		PC	12.10.18	1320

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? ~~Yes~~ No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

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Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except in the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered) or otherwise in lieu and of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for any unintentional disclosure of confidential information provided thereto as long as PCL reports and information provided thereto are for the exclusive use and benefit of client and PCL in connection shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning the financial or other matters, without the permission of other financial terms.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses (including but not limited to all court fees (plus litigation expenses) and attorneys' fees) of whatever kind or nature, in favor of Client or any third party, as a result of, and/or in any way occurring (including but arising out of or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of Client's hazardous materials: 1. injury, disease or death of persons; 2. loss of, damage to, loss of, or loss of use of property; and/or 3. financial loss of every kind or character. This indemnity does not apply to all of the foregoing losses, suits, damages or claims caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, cover, compensate, settle, pay all of every kind and character arising out of or in connection with PCL's negligence as a result of (and not by way of indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to Client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption Litigation Expenses in other fees (including, without limitation, attorney's fees, court costs, and for pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or materials supplied, as later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance of work analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CA/Invoice thirty (30) days from date of invoices. To the fullest extent permitted by law and applicable law, any amount unpaid at the end of thirty (30) days in advance in advance of the invoice date shall bear interest at the lesser of one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees (if applicable) fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by client or authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to be relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL is not responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. Lists of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less' samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (pecan 48 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Dec-18 16:50
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0423-01) Collected: 10-Dec-18 By IPC						
Ammonia as N	EPA 350.1	AL81134	0.10	11-Dec-18 (SGS)	0.13 mg/l	
Biochemical Oxygen Demand	SM 5210B	AL81133	2	16-Dec-18 (VL)	<2 mg/l	
Nitrate as N	EPA 353.2	AL81128	0.20	11-Dec-18 (LA)	2.21 mg/l	
Nitrite as N	EPA 353.2	AL81128	0.02	11-Dec-18 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AL81304	0.10	14-Dec-18 (LA)	0.73 mg/l	
Total Suspended Solids	SM 2540D	AL81237	1	17-Dec-18 (EA)	3 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/17/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1820423

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/10/18	0915	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez (SRL)	12/10/18	
Received by			12/10/18	1200
Relinquished by			12/10/18	1320
Received by				
Relinquished by				
Received in lab by		PC	12/10/18	1320

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody ("COC") to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, suits or actions, costs and consequent expenses, including, but not limited to, court fees, litigation expenses and attorneys' fees in favor of Client or any third party, as a result of, and/or in any way resulting in, direct or arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, damage or death of persons 2. loss of, damage to, use of, or loss of use of property and or 3. financial loss of every kind of character. This indemnity shall apply to all of the foregoing losses, costs, damages or liabilities caused solely by the sole negligence and/or misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, inures, claims for personal injury of every kind and death for losing out of or in connection with the negligence of or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

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For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, Bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by clients authorized representative. Except for subsequent orders for additional services, there shall be no oral modifications to these terms unless confirmed in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is retaining services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institutions or other lender or the qualification to do contracting with the city or any entity, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (less than 3 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Prolonged long term storage is subject to an additional charge. Samples will be discarded at the end of the prescribed storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on this fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

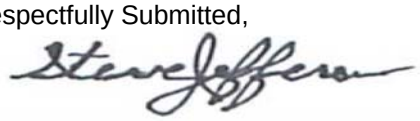
Attention: Ric Vardel
Report Date: 17-Dec-18 16:59
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18L0421-01) Collected: 10-Dec-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AL81133	2	16-Dec-18 (VL)	496 mg/l	
Total Suspended Solids	SM 2540D	AL81237	1	17-Dec-18 (EA)	165 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/17/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810921

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: C. D.	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/10/18	0915	1	TSS	Grab	AQ	1L P	4°C	
〃	〃	〃	1	BOD	Grab	AQ	1L P	4°C	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (CAC)	12/10/18	
Received by	EC	MM	12/10/18	1200
Relinquished by	EC	MM	12/10/18	1320
Received by				
Relinquished by				
Received in lab by		PC	12.10.18	1320

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? ~~Yes~~ (No)

Samples in holding time? ~~Yes~~ No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
~~AQ~~ Water
SO -Soil / Sludge
OT - Other

Bottle Type
~~P~~ Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

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PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may place services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the Client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No military or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract except upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the Client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for any unintended disclosure of said data where such standard was observed. PCL reports and information relating to these matters, subject to payment of all fees due PCL, are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information or data relating to these matters, subject to payment of all fees due PCL, without the prior written consent of PCL.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including but not limited to all court fees, litigation, experts and expert witness fees in favor of Client or any third party, as a result of, and/or in any way occurring, incident, relating, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, theft of, or loss of use of property and/or 3. contamination of every kind whatsoever. This indemnity does not apply to any of the foregoing losses, costs, damages or incident caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to lawful claims, damages, actions of every kind and character arising out of or in connection with PCL's negligence or a breach of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be to the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption, litigation expenses or other fees (including without limitation, attorney's fees, court costs, and pre or post judgment interest)), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials (or analytes) such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's then in sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance and/or otherwise if contrary is required for all new clients or upon a showing of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET 30 days unless otherwise specifically stated in writing. To the fullest extent permitted at all or by applicable law, any amount unpaid in this account thirty (30) days is subject to interest at the rate of the maximum rate permitted by law of one and one half percent (1.5%) per month on the unpaid balances. If suit or arbitration is instituted through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or experts' fees in addition to such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by a duly authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. The parties and acknowledge that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested or shall be used to remedy upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the renewal, extension, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less' samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times of 7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria & Boron) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage date.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been revised on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Dec-18 16:28
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0516-01) Collected: 11-Dec-18 By IPC						
pH	SM4500-H-B	AL81240	0.1	11-Dec-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL81234	0.05	12-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL81143	1.8	14-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL81143	1.8	14-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/17/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18LO516

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: JULIO LEDL	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12-11-18	11:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	〃	〃	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEDL	12-11-18	
Received by		12/11/18	1215
Relinquished by		12/11/18	1450
Received by			
Relinquished by			
Received in lab by	PL	12-11-18	1450

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(C) Grab Comp	HC - HCl HS - H_2SO_4
Matrix (AQ) - Water SO -Soil / Sludge OT - Other	HN - HNO_3 HP - H_3PO_4 OH - NaOH
Bottle Type (P) Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined in each) only under the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Governing Agreement

Client does agree that the Terms shall govern performance of client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and signed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform its services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is in the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was employed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parent companies ("collectively agents") any and all liabilities, losses or damages, claims, demands, causes of action, suits and costs (including reasonable attorneys' fees) (collectively "Losses") whatsoever arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials 1. injury, disease or death of persons 2. loss of, damage to, loss of use of, or loss of use of property and 3. financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall not directly apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability (including direct result) of the client to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any legal effort against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect on the date of operations on the date the services were rendered or with a price quotation (the confirmation in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of all charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law or as may be otherwise allowed by any amount owed to the client hereunder shall be subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If client or its representatives through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees of PCL's fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be valid only if in writing and executed by an officer of PCL and by client, authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender, or the qualification to or participating with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of services that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 36 hours of the PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria testing) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

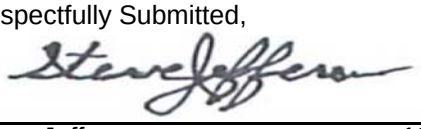
Attention: Ric Vardel
Report Date: 17-Dec-18 16:30
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0554-01) Collected: 12-Dec-18 By IPC						
pH	SM4500-H-B	AL81312	0.1	12-Dec-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL81311	0.05	13-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL81233	1.8	14-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL81233	1.8	14-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/17/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810554

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C. A.	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/12/18	1010	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. A.	Carlos Rivera (PC)	12/12/18	
Received by	[illegible]	[illegible]	12/12/18	1200
Relinquished by	[illegible]	[illegible]	12/12/18	1500
Received by				
Relinquished by				
Received in lab by		P/C	12/12/18	1500

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any solicitation or amendments hereto which is are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all its duties.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following Chemical Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written order or purchase order to PCL. Any such order constitutes an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and, as an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the US Environmental Protection Agency (EPA), CA Water Board (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or to the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement subject to any applicable required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data which was not and was beyond PCL's control and which is provided freely and for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any other data or know-how to PCL's information, software, processes or other formulation.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all claims, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees, filing fees, expert and attorney fees arising in favor of Client or any third party as a result of, and/or in any way, arising related to, giving rise to, or in connection with the performance of services by PCL pursuant to this agreement and/or client's terms, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to or use of use of property and/or 3. Errors or loss of every kind of character. This indemnity shall apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, assert, claims, damages, actions of every kind and character, arising out of or in connection with the negligence, fault, breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnification obligation will be supported by available liability insurance coverage, to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and fees paid to jury, judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or as otherwise provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, hazardous or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL's policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or as otherwise quoted and/or confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due and owing when invoice is presented is required for all new clients or until a history of payment and/or credit approval has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH unless many days from date of invoice. To the fullest extent permitted by law and all applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law in such case and one and half percent (1.5%) per month on the unpaid balances. If unpaid amounts are referred through legal proceedings or by an attorney, client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes in solicitations or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by client authorized representative. Except that subsequent orders for additional services may be placed in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own benefit, and not as agent or trustee, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third parties may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less (pH, Residual Chlorine, Sulfite, Dissolved Oxygen, Sulfide, Bacteria, Cyanide amenable) must arrive at the lab within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria in Water) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up of sampling might be assessed as additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 17-Dec-18 16:32
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0599-01) Collected: 13-Dec-18 By IPC						
pH	SM4500-H-B	AL81414	0.1	13-Dec-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL81413	0.05	14-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL81310	1.8	15-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL81310	1.8	15-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/17/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810599

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/13/18	1015	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Rivera (3PE)	12/13/18	
Received by			12/13/18	1300
Relinquished by			12/13/18	1420
Received by				
Relinquished by				
Received in lab by			12/13/18	1430

Sample Received Checklist

Temperature upon receipt: 9°C

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing, which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or disposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and information maintained, created by Client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such standard was observed. PCL reports and information provided thereon are for the exclusive use and benefit of client and client agrees that shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any items which may involve PCL's trade secrets, know-how, price and/or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and attorneys' expenses, including attorneys' and expert fees, (the "Losses") asserted against and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement, prior transportation, handling or disposal of client's natural or materials. If, and to the extent, any or all of pending Z Loss of, damage to, trespass, or loss of use of property and/or 2. Injury or loss of personal property (if character). This indemnity does not apply to any of the foregoing Losses, costs, damages or expenses caused solely by the gross negligence or willful misconduct of PCL, or its employees. Further, the indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligent acts or breach of contract by any Indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation expenses or other fees (including, without limitation, attorneys' fees, court costs, and the pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analysis such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analyses, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or where a history of payment and/or credit account has not been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law and subject to applicable law, any amount unpaid at the end of thirty (30) days shall be subject to interest at the lesser of (i) the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid accounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by client or authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to or relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays with out prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any sampling being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. On short holding times 1-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short holding Times of 48 hours or less (listed in 24 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noticed on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

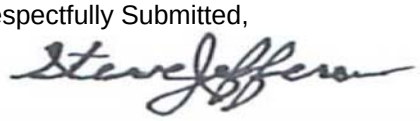
Attention: Ric Vardel
Report Date: 17-Dec-18 16:34
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0646-01) Collected: 14-Dec-18 By IPC						
pH	SM4500-H-B	AL81530	0.1	14-Dec-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL81528	0.05	15-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL81415	1.8	16-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL81415	1.8	16-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/17/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18L0646

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. D	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/14/18	1040	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
~~BOD~~					~~Grab~~	~~AQ~~	~~1L P~~	~~4°C~~	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D	Carlos Alvarado (IPC)	12/14/18	
Received by	EB		12/14/18	1220
Relinquished by	EB		12/14/18	1500
Received by				
Relinquished by				
Received in lab by				

Sample Received Checklist

Temperature upon receipt: 3°C
# of bottles agrees with COC? ~~Yes~~ No
Samples intact? ~~Yes~~ No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services as defined herein only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.
The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.
The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered, or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL does use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of samples where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not duplicate any third party any information concerning technical information, software programs or other communications.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to attorney's fees (the "Litigation Expenses") and awards arising in favor of Client or any third party as a result of, and/or in any way assuming resulting or arising out of or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to client. Client does agree, actions of every kind and charges by arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption) Litigation Expenses or collection fees (including, without limitation, attorneys fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or upon analysis is required for all new clients or clients a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, additions or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by client or authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less' samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

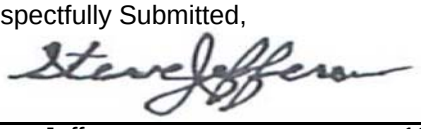
Attention: Ric Vardel
Report Date: 28-Dec-18 12:35
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0663-01) Collected: 15-Dec-18 By IPC						
pH	SM4500-H-B	AL81934	0.1	15-Dec-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL81633	0.05	16-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL81529	1.8	17-Dec-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL81529	1.8	17-Dec-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/28/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810663

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: R. VARDEL	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/15	10:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Ric VARDEL (IPC)	12/15	16:15
Received by				
Relinquished by	Jose L Gomez	Jose L Gomez	12/15/18	1050
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	12/15/18	12:42

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or released from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.
The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.
The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "Services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EA Waterboard (EAAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information unless such disclosure is caused by PCL's gross negligence or willful misconduct. Reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any proprietary sampling technical information, software programs or other intellectual

10. Hold Harmless

client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates (collectively and jointly hereinafter "Client and agree to pay all Liabilities related to damages, claims, demands, causes of action, judgments, consultant expenses, including, but not limited to, account fees, litigation expenses) and awards arising in favor of Client or any third party as a result of, or in connection in with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind of client. This indemnity does not apply to any of the foregoing losses, suits, damages or judgment caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, settlement costs and expenses arising out of or in connection with any negligence of or breach of contract by the indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverages to be furnished by client, which insurance shall be in the minimum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses in other fees including, without limitation, attorney's fees, court costs, and (in pre or post judgment interest), or any other payments or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analyses, client will be charged a sanitize disposal fee per sample submitted, as in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect for the date of operations on the date the services were rendered or as the prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance and/or cash on completion is required for all new clients or until a history of payment and/or credit is established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by all or any applicable law, any amount unpaid on the said 31 days shall be subject to interest at the rate of 1.5% per month (or the highest rate permitted by law, if less) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable court and attorney's fees or agents' fees associated with such collection proceedings or efforts.

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Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client authorized representative, except that subsequent orders for additional services may be verbal or in writing.

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PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is retaining services exclusively for his own account, and not as agent, trustee, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information or reports are not circulated, or shall be used to record value in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other review of the certification to or certifying with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any and whatever reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered or shipped to us in 3 days or less without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short holding times of 48 hours or less (excepting 24 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been outlined on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

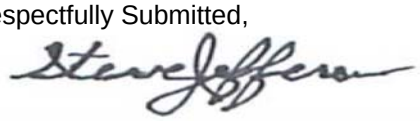
Attention: Ric Vardel
Report Date: 28-Dec-18 12:38
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0667-01) Collected: 16-Dec-18 By IPC						
pH	SM4500-H-B	AL81934	0.1	16-Dec-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL81731	0.05	17-Dec-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL81632	1.8	18-Dec-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL81632	1.8	18-Dec-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/28/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1820667

Customer: IPC, Inc.		Project: (MCC) Daily EFF JULIO LEAL	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12-16-18	08:40	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.50/16.5°
	/	/	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	12-16-18	12:45
Received by	Jordan Corkery	12/16/18	12:45
Relinquished by			
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	12/16/18	1407

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed on a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the audited amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered) or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized interception of such data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and nothing herein shall give to third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to, all court fees (the obligation hereunder and events arising in favor of Client or any third party, as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling, or disposal of client's hazardous materials, 1. injury, disease or death of persons, 2. loss of, damage to, loss of, or loss of use of property and or 3. claims of any of every kind or character. This indemnity obligation applies to all the foregoing losses, costs, damages or injuries caused solely by the acts, negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims (each type, actions of every kind and character) arising out of or in connection with the negligence or the breach of contract by the indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise incur or have to PCL and the other indemnified persons. To the extent necessary to the additional law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (weather now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Material"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by clients authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2/7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-18 12:40
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0682-01) Collected: 17-Dec-18 By IPC						
pH	SM4500-H-B	AL81934	0.1	17-Dec-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL81823	0.05	18-Dec-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL81744	1.8	19-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL81744	1.8	19-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/28/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810682

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. D.	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/17/18	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. D.	Carlos Alvarez (IPC)	12/17/18	
Received by	[illegible]	[illegible]	12/17/18	1215
Relinquished by	[illegible]	[illegible]	12/17/18	1300
Received by				
Relinquished by				
Received in lab by		P/C	12.17.18	1300

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes (1) an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2) an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No boilerplate or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Water Board (TEAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is free public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information where such standard was followed. PCL reports and other advice provided thereunder are for the exclusive use and benefit of client and client agrees that shall be no third party beneficiaries of such reports, data or information. Client will not distribute to any third party any information that is not in technical publication, software or presentation or other form intended.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and all costs and expenses including, but not limited to all court fees and litigation expenses) and expenses arising in favor of Client or any third party as a result of, arising in whole or in part out of, resulting from or in connection with the performance of services by PCL pursuant to this agreement and/or sample collection, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims and causes of action of every kind and character for arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law, in no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic materials, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at Client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of each event on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time at PCL's discretion. Payment in advance or credit approval is required for all new clients or client's history of payment and/or credit account has been interviewed with PCL. For those clients with an established credit account, the terms for payment of charges are Net Cash within thirty (30) days from date of invoices. To the fullest extent permitted by law and by applicable law, any amount owed is overdue if thirty (30) days is subject to interest at the lesser of 1% a month (12% per annum) or the highest rate permitted by law at the time and applied percent (1.5%) per month on the unpaid balances. If unpaid accounts are referred to an attorney or collection agency, the client shall pay all reasonable costs and attorney's fees or agency fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and if client without any representation, agrees that subsequent orders for added services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is accepting services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that such data, information and reports are not requested, or shall not used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged at all times. If, for any, unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (routine 96 hours) must be delivered that same day to ensure guaranteed holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-18 12:30
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0681-01) Collected: 17-Dec-18 By IPC						
Ammonia as N	EPA 350.1	AL81830	0.10	18-Dec-18 (SGS)	0.14 mg/l	
Biochemical Oxygen Demand	SM 5210B	AL81829	2	23-Dec-18 (EG)	<2 mg/l	
Nitrate as N	EPA 353.2	AL81826	0.20	18-Dec-18 (LA)	5.85 mg/l	
Nitrite as N	EPA 353.2	AL81826	0.02	18-Dec-18 (LA)	0.06 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AL81927	0.10	20-Dec-18 (LA)	0.60 mg/l	
Total Suspended Solids	SM 2540D	AL81837	1	19-Dec-18 (EA)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/28/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810681

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive		Sampled by: C. Dimas	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/17/18	1050	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Dimas	Carlos Divans (PC)	12/17/18	
Received by	EB	Carlos	12/17/18	1215
Relinquished by	EB	Carlos	12/17/18	1300
Received by				
Relinquished by				
Received in lab by		V/L	12/17/18	1300

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
~~Grab~~ Comp	HC - HCl
Matrix	HS - H_2SO_4
~~AQ~~ - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
P - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

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PCL acts solely as an independent contractor in performing all services.

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PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), EA Waterboard (STAAF), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

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6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or in the public domain or client has failed to pay PCL for all services rendered) or it otherwise in breach of the agreement) subject to any disclosure required by law or court process. PCL shall use the same standard of care with data or information to own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was used and PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of PCL reports, data or information. Client will not disclose to any third party any information including technical information, software, program or other information.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, expenses, fines, fees and costs (collectively, including, but not limited to, all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way resulting in part or in whole by, or in connection with the performance of services by PCL pursuant to this agreement and/or shipment to, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind of character. PCL indemnity does not apply to any of the foregoing losses, costs, expenses or claims caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and for pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples of materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at Client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or other conditions considered required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by or as will by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees for same. Fees are subject additional collection processing or effort.

13. Agreement Modification

Changes, modifications or amendments to the terms hereof or any of the work writing shall be executed by written PCL and by client, authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL to client. Nothing herein shall be construed, in any action, and not as agent, contractor, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not assigned, or shall be used to record upon, in connection with or as part of, the purchase, sale, underwriting, or solicitation of any securities, any periodic or other reporting to the holders of any securities, the issuing, amendment, renewal, or extension of any loans from any financial institution or other lender or the solicitation to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria 30 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

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All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM LABORATORIES
QUALITY ANALYTICAL SERVICES SINCE 1987
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San Fernando, CA 91340
(818) 639-5300 ph
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pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-18 12:28
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18L0684-01) Collected: 17-Dec-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AL81829	2	23-Dec-18 (EG)	403 mg/l	
Total Suspended Solids	SM 2540D	AL81837	1	19-Dec-18 (EA)	127 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/28/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18L0684

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: JULIO LEAL	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12-17-18	11:50	1	TSS	Grab	AQ	1L P	4°C	
	1	1	1	BOD	Grab	AQ	1L P	4°C	
Geotracker EDD: Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	JULIO LEAL	12-17-18	
Received by		12/17/18	1715
Relinquished by		12/17/18	1300
Received by			
Relinquished by			
Received in lab by		12-17-18	1300

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type: Grab, Comp

Matrix: AQ - Water; SO - Soil / Sludge; OT - Other

Bottle Type: P - Plastic; G - Amber Glass; VOA - 40 ml Vial; Coli - bacteria

Preservations: HC - HCl; HS - H_2SO_4; HN - HNO_3; HP - H_3PO_4; OH - NaOH; ST - Sodium Thiosulfate; AA - Ascorbic Acid; Al - $AlCl_3$; Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (LEAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered, or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data when such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees that PCL shall not be third party beneficiary of such reports, data or information. Client will not disclose to any third party any description concerning technical information, software, processes or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and reasonable expenses relating, but not limited to attorneys fees (including Paperwork) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, distress or death of persons 2. loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liability caused solely by the gross negligence or wilful misconduct of PCL or its employees. Further, this indemnity shall cannot easily apply to losses, claims, causes of action, suits and awards arising out of or in connection with the negligence of or breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party, in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portion of samples as specified by client or by PLT's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of negotiations or the date the services were rendered or, with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of prompt and/or satisfactory business has been established with PCL. For those clients with an established credit account, the terms of payment of charges are NET CASH within thirty (30) days from dated of invoices. To the fullest extent permitted by law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client or obligor reasonable costs and attorney's fees (if applicable) fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or continuation of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the satisfaction to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours in order for PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the laboratory 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (particularly 4 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

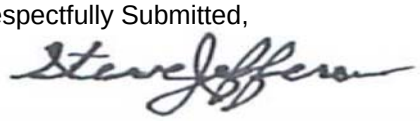
Attention: Ric Vardel
Report Date: 28-Dec-18 12:42
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0723-01) Collected: 18-Dec-18 By IPC						
pH	SM4500-H-B	AL81934	0.1	18-Dec-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL81933	0.05	19-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL81834	1.8	20-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL81834	1.8	20-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/28/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1820723

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/18/18	1050	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C.	Carlos Alvarez	12/18/18	
Received by	EG	Grant	12/18/18	1230
Relinquished by	EG	Grant	12/18/18	1500
Received by				
Relinquished by				
Received in lab by			12.18.18	1500

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
~~Grab~~ Comp	HC - HCl
Matrix	HS - H_2SO_4
AQ - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
P - Plastic	AA - Ascorbic Acid
G - Amber Glass	AI - $AlCl_3$
VOA - 40 ml Vial	Cu -$CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to court fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, sickness or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. Contamination of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with it's negligence or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary and/or applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at Client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when services completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law, all applicable fees, any amount unpaid at the end of thirty (30) days are subject to interest at the rate of the maximum rate permitted by law or one and one half percent (1 1/2) per month on the unpaid balances. If unpaid accounts are collected through legal proceedings or by an attorney, the client shall pay reasonable collection costs and attorney's fees or agency fees associated with such collection proceedings or efforts.

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any valid/good reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less' samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (7 days, samples must arrive at the lab within 24 hours before expiration to invoice that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria 30 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

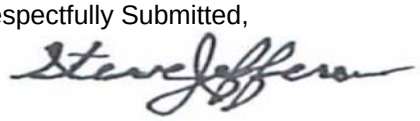
Attention: Ric Vardel
Report Date: 28-Dec-18 12:47
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0768-01) Collected: 19-Dec-18 By IPC						
pH	SM4500-H-B	AL82117	0.1	19-Dec-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL82025	0.05	20-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL81932	1.8	21-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL81932	1.8	21-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/28/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1820768

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	12/19/18	0900	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.24 CC
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	7.40

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/19/18	
Received by	EB	Eu and	12/19/18	1230
Relinquished by	EB	Eu and	12/19/18	1400
Received by				
Relinquished by				
Received in lab by		PL	12/19/18	1400

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab Comp	HC - HCl HS - H_2SO_4 HN - HNO_3 HP - H_3PO_4 OH - NaOH ST - Sodium Thiosulfate AA - Ascorbic Acid Al - $AlCl_3$ Cu - $CuSO_4$
Matrix AQ - Water SO - Soil / Sludge OT - Other	
Bottle Type P - Plastic G - Amber Glass VOA - 40 ml Vial Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments/deletions which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consisting of sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard prices schedule as such document may be amended or revised from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written Chain of Custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound to these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services from date is the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions proposed in a Client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability_

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are substantially consistent with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the property of others duly filed to pay PCL for all services rendered, or is otherwise in breach of the agreements subject to any disclosure required by law or legal process. PCL shall use the same standards of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data when such standard was observed. PCL reports and information is solely intended for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any proprietary information concerning technical information, software programs, or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and fines and expenses including, but not limited to, attorneys' fees (the Litigation Expenses) and costs arising in favor of Client or any third party as a result of, and/or in any way arising, incident, resulting out of, or in connection with the performance of services by PCL pursuant to this agreement with or transportation, handling or disposal of client's hazardous materials, 1. injury, sickness or death of persons 2. Loss of, damage to, loss of, or misuse of use of property, and/or 3. Fire and loss of every kind and description. This indemnity does not apply to any of the foregoing losses, costs, damages, or expenses caused solely by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, demands, actions, all kinds of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and for pre or post judgment interest, or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples and materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local law, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any the foregoing ("Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with terms quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or other security is considered required for all new clients or until a history of payment and/or credit worthiness has been established with PCL. For clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To be timely received, payment of all or any applicable (we) any amount appears on the invoice must be paid in full within thirty (30) days or subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or expert fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to this agreement will be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent changes for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is hereby and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the classification by or compliance with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of services that are delayed or interrupted after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times (all 48 hours or less (Coliform is 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least Forty (30) days after analysis has been completed. Sample storage for longer period is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

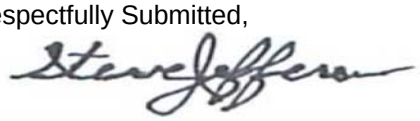
Attention: Ric Vardel
Report Date: 28-Dec-18 12:49
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0803-01) Collected: 20-Dec-18 By IPC						
pH	SM4500-H-B	AL82117	0.1	20-Dec-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL82116	0.05	21-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL82020	1.8	22-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL82020	1.8	22-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 12/28/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810803

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: C. D	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	12/20/18	1010	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.39/19.1°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	12/20/18	1426
Received by	MARIO SANTIESTEBAN (PCL)	12/20/18	1426
Relinquished by	MARIO SANTIESTEBAN (PCL)	12/20/18	1730
Received by			
Relinquished by			
Received in lab by	MIL	12-20-18	1730

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
Matrix	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO - Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu - $CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

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The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes (i) an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and (ii) an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized divulgence of said data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client's agent. There shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses including, but not limited to, all court fees (the litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way arising, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials: 1. injury, disease or death of persons 2. loss of, damage to, loss of use of property; and/or 3. financial loss of every kind or description. This indemnity shall not apply to any of the foregoing to the extent such damages or injuries were solely the direct negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any Unaffiliated Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client may otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental, or consequential damages including, without limitation, loss of profits or business interruption, Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or any services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analysis such as asbestos, polychlorinated biphenyls, Dioxins or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, shall will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or within such time as otherwise is required for all services or unless a history of payment and/or credit is established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law and applicable statutory amount (which, at the time of this Terms is 18% per annum) or one and one-half percent (1.5%) per month on the past due balances. If unpaid amounts are collected through a proceeding or by an attorney, the prevailing party reasonable costs and attorney's fees or expenses associated with such collection procedures or efforts.

13. Agreement Modification

No waiver, modifications or amendments to the terms shall be effective unless and until executed by an officer of PCL and by client's authorized representative, which, client subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL to Client or Client's lending entities, investors for business purposes, and not as agent of PCL, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used to resell same, or connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other holder of the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any subsequent reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and concurrence. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Expires 48 hours) must be delivered must same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) Days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-18 12:52
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0820-01) Collected: 21-Dec-18 By IPC						
pH	SM4500-H-B	AL82230	0.1	21-Dec-18 (JC)	7.4 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL82229	0.05	22-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL82113	1.8	23-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL82113	1.8	23-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/28/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810820

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/21/18	0915	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.45/17.5°C
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Carlos Alvarez (IPC)	12/21/18	1028
Received by	MARIO SANTILESTEBAN (PCL)	12/21/18	1028
Relinquished by	MARIO SANTILESTEBAN (PCL)	12/21/18	1135
Received by			
Relinquished by			
Received in lab by		12/21/18	1152

Sample Received Checklist

Temperature upon receipt: Ice

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
~~Grab~~
~~Comp~~

Matrix
AQ - Water
SO - Soil / Sludge
OT - Other

Bottle Type
P - Plastic
~~G~~ - Amber Glass
VOA - 40 ml Vial
~~Coli~~ - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any addendums or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

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The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes it, an acceptance by the client of PCL's offer to do business with the client under the terms and condition and if, an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No counter or additional terms and conditions expressed in a client's instrument shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL standard operating procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or representatives to client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal relieves PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel perform the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the scope and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered, cost of pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information (standard non-corrupted PCL reports are authorized or provided therein are for the exclusive use and benefit of client and only client shall be the third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and any related expenses including, but not limited to all court fees, reasonable litigation expenses and awards arising in favor of Client, or any third party as a result of, and/or in any way resulting in, client to arrange for, or in connection with the performance of services" by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, misuse of use of property, and or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or claims caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which one client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client, understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client to pay PCL in accordance with PCL's applicable price schedule in effect in the area of operation on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit is established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, an amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall reimburse costs and attorney's fees or agency fees associated with such collection procedures as effects.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client or anyone who purchases for client's account, and not as agent or broker, or in any other representative capacity for any other person or entity, is to agree and acknowledge that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the negotiation, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria 0 to 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. A reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-18 12:54
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0827-01) Collected: 22-Dec-18 By IPC						
pH	SM4500-H-B	AL82231	0.1	22-Dec-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL82334	0.05	23-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL82226	1.8	24-Dec-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL82226	1.8	24-Dec-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/28/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810827

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/22/18	8:10	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	12/22/18	1050
Received by			
Relinquished by Jose L Gomez	Jose L Gomez	12-22-18	1050
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	12/22/18	12:54

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its clients, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall (a) apply if PCL and the Client shall have executed a separate agreement in writing, which does not incorporate the Terms, no modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.
The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.
The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidential unless such information is generally available to the public or is now public domain or Client has failed to pay PCL for all services rendered, or is otherwise in breach of the agreement (subject to any disclosure required by law or legal process). PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized release of such data where such standard was observed. All reports and information provided thereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other methodology.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to, attorney's fees, litigation expenses and experts' arising in favor of Client or any third party, as a result of, and/or in any way relating, incidental, arising out of or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons; 2. loss of, damage to, loss of, or loss of use of property; and/or 3. financial loss of every kind or character. This indemnity shall extend to any of the foregoing losses, costs, damages or liabilities caused by the sole negligence or willful misconduct of PCL or its employees, further, this indemnity shall specifically apply to claims, claims, damages, actions of every kind and character arising out of or in connection with the negligence in whole or in part of contractor any independent person, whether actual or alleged in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client may have or incur to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption). Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or the services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analytes such as asbestos, polychlorinated biphenyls, bacteria and any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or as otherwise quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when client is considered a risk for all new clients or until a history of payment and/or credit is established, client unfamiliar with PCL. For those clients with an established credit account, the terms for payment of charges are NET DATE within thirty (30) days from date of invoices. To the fullest extent permitted by law all the amounts not paid when due or in the event of thirty (30) days in excess thereof, accrue interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid accounts are collected through an attorney or by an attorney, the client shall pay reasonable costs and attorney's fees be added from and to the amount collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by the client and if the client is a corporation, a copy that subsequent return to client (which may be verbal or in writing).

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acting exclusively for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on claim any information or reports. Client represents, warrants, and agrees that no data, information and reports are not requested, or shall be used to relied upon in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any permits, or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because if samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 15 hours to allow PCL to meet holding times without applying a rush surcharge. For client holding times of 7 days, samples must arrive at the laboratory 48 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (fifteen (15) hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accepted an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 28-Dec-18 12:56
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0831-01) Collected: 23-Dec-18 By IPC						
pH	SM4500-H-B	AL82333	0.1	23-Dec-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL82334	0.05	23-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL82329	1.8	25-Dec-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL82329	1.8	25-Dec-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 12/28/2018
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1820831

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field (Lab)
EFF	12/23/18	0825	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.50/18.3°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/23/18	1230
Received by		Jordan Corkery	12/23/18	1230
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	12/23/18	1347

Sample Received Checklist

Temperature upon receipt: _____
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and condition and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature in compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or to the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standards of care it uses in protecting its own confidential data and shall not be responsible for unauthorized discovery or loss, where such standard was observed by PCL. Reports and information provided hereunder are for the exclusive use and benefit of client and client agrees that shall not to third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parent harmless from and against any and all claims, losses or damages, liens, demands, causes of action, costs and expenses (reasonable attorneys' fees and investigation costs, fees, litigation expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to the agreement and/or representations, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or expenses caused solely by the active negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any unpermitted person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the minimum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) litigation expenses, attorneys fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by clients or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services performed under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operation in the damages services rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment must be received within 30 days of completion of services or delivery of equipment and/or unless credit has been established with PCL. For those clients with an established credit account, the terms for payment of invoices are NET 30 days from invoice date. If client disputes, for a legitimate reason, any invoice or part of any invoice, client must notify PCL in writing within thirty (30) days of receipt of invoice, or invoice will be deemed correct and accepted by client. Client agrees that all payments are subject to interest at the lesser of 1.5% per month or the highest amount permitted by law, or one and one-half percent (1.5%) per month, on all unpaid balances. Client shall pay all costs and expenses of collection, including attorneys' fees, court costs, collection agency fees or attorney's fees in addition to all other amounts due and owing to PCL hereunder. Client shall pay all costs and expenses of collection, including attorneys' fees, court costs, collection agency fees or attorney's fees in addition to all other amounts due and owing to PCL hereunder. Client shall pay all costs and expenses of collection, including attorneys' fees, court costs, collection agency fees or attorney's fees in addition to all other amounts due and owing to PCL hereunder.

13. Agreement Modification

Changes, modifications or amendments of this agreement shall be effective only if in writing and executed by an officer of PCL and by another authorized representative. Verbal, email, subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability to Client's use of or reliance on data, information or reports furnished by PCL/client in securing services hereunder for his own account, and not as a third party, or in any other capacity, or to any other person or entity. It is agreed and acknowledged that this agreement does not create third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that such data, information and reports are not requested, or shall be used to induce upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays, without prior notification and acceptance. Standard holding times and storage conditions should be requested with each sample being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less' samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days), samples must arrive at the lab within 24 hours. It is the responsibility of the client to ensure that the holding times can be met. Short holding times of 48 hours or less (basically 0 to 2 days) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Samples storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jan-19 14:35
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0843-01) Collected: 24-Dec-18 By IPC						
pH	SM4500-H-B	AL82918	0.1	24-Dec-18 (SJ)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL82425	0.05	24-Dec-18 (LA)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL82420	1.8	26-Dec-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL82420	1.8	26-Dec-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810843

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: C. A.	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/24/18	1025	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
			1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. A.	Carlos Alvarez (PPC)	12/24/18	11:05
Received by		Amanda Olmos (Pat-Chem)	12/24/18	11:05
Relinquished by		Amanda Olmos (Pat-Chem)	12/24/18	12:00
Received by				
Relinquished by				
Received in lab by		P/L	12.24.18	1220

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modification to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and/or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered, or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for the improper disclosure of such data where such standard was observed. PCL reports and information provided thereunder are for the exclusive use and benefit of Client and unless agreed to in writing shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, procedures or other know-how.

10. Hold Harmless

Client releases and at all times indemnifies, defends and holds PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, actions or causes of action (including Expenses) and amounts arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, illness or death of persons 2. Loss of damage to, loss of, or loss of use of property, and/or 3. Financial loss of every kind of any kind. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities which directly be the sole negligence or willful misconduct of PCL or its employees. Further this indemnity shall specifically apply to losses, claims damages, actions of every kind and charges for arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and (or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's current price schedule in effect at the time of quotation or the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or upon delivery may be required of all new clients or such a history of payment and credit worthiness has been established with PCL. Clients with an established credit account, the terms for payment of charges are NET 30 days (thirty (30) days from date of invoice). To the fullest extent permitted by law or any applicable law, any sum or sums not paid within thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client or authorized representative, except that subsequent orders for additional services may be executed by writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports issued by PCL. Client is securing services hereunder for his own account, and not as agent or broker or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not relied on, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the solicitation to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria are 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or service issues are subject to additional surcharges and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods or by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage term.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noticed on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

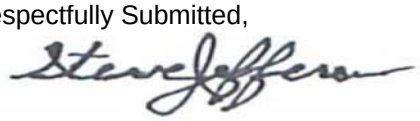
Attention: Ric Vardel
Report Date: 02-Jan-19 15:07
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18L0846-01) Collected: 24-Dec-18 By IPC						
Biochemical Oxygen Demand	SM 5210B	AL82610	2	31-Dec-18 (SGS)	545 mg/l	
Total Suspended Solids	SM 2540D	AL82607	1	26-Dec-18 (SGS)	452 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18L0846

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: C. Dunn	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/24/18	~~1050~~ 1050	1	TSS	Grab	AQ	1L P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by	C. Dunn	Carlos Alvarez (CPC)	12/24/18	11:05
Received by		Armando Olivas (Pat-Chem)	12/24/18	11:05
Relinquished by		Armando Olivas (Pat-Chem)	12/24/18	12:20
Received by				
Relinquished by				
Received in lab by		PIL	12.24.18	1220

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
(AQ) - Water
SO -Soil / Sludge
OT - Other

Bottle Type
(P) - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The Client may order services by submitting a written letter of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services shall be the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use and/or all methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (LUFT), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties."

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials submitted by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public, or is the public domain or client has failed to pay PCL for all services rendered, or is otherwise in breach of the agreement subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information unless such standard was observed. PCL reports are confidential and provided thereto are for the exclusive use and benefit of client and client agrees those shall be no third party beneficiaries of its reports, data or information. Clients will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, parent(s) and pay any harmless from and against any and all liabilities, losses, damages, claims, demands, causes of action, costs and expenses including, but not limited to, attorney fees (including in Exploration and Production Litigation) of client or any third party, as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, injury, disease or death of persons or type of, damage to, loss of, or loss of use of property or of financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities proximately caused by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall not be only applicable to claims, demands, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the minimum amounts permitted under applicable law. To the extent shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or on services provided under this agreement even if client or the providing party

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples and results that are known such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (written now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment is due upon receipt unless otherwise agreed to in writing. For all new clients or with a history of payment and/or credit account has not been established with PCL, PCL third clients with an established client account, the terms for payment of invoices are NET (30) days from date of invoice, unless otherwise agreed to. To the fullest extent permitted by at all be applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate determined by law at the time and compounded monthly or the unpaid balance. If unpaid amounts are referred through legal counsel or collection agency, the client shall pay all reasonable costs and attorney's fees or agency fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if made in writing and executed by an officer of PCL and by client and/or authorized representative, except that subsequent orders for additional services may be placed orally or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is acquiring services reasonable for its own account, and not as agent or broker, or in any other fiduciary capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the issuing, amendment, renewal, or extension of any loan from any financial institutions or other similar or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal rate will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Electronic 96 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are returned for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jan-19 15:05
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0845-01) Collected: 24-Dec-18 By IPC						
Ammonia as N	EPA 350.1	AL82712	0.10	27-Dec-18 (SGS)	0.21 mg/l	
Biochemical Oxygen Demand	SM 5210B	AL82610	2	31-Dec-18 (SGS)	<2 mg/l	
Nitrate as N	EPA 353.2	AL82423	0.02	24-Dec-18 (LA)	1.84 mg/l	
Nitrite as N	EPA 353.2	AL82423	0.02	24-Dec-18 (LA)	<0.02 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AL82605	0.10	27-Dec-18 (LA)	0.97 mg/l	
Total Suspended Solids	SM 2540D	AL82607	1	26-Dec-18 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810845

Customer: IPC, Inc.		Project: (MCC) Weekly EFF	
Address: 9297 Research Drive		Sampled by: C.	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/24/18	1025	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPC)	12/24/18	11:05
Received by		Amanda Olmos (Pat/Chem)	12/24/18	11:05
Relinquished by		Amanda Olmos (Pat/Chem)	12/24/18	12:20
Received by				
Relinquished by				
Received in lab by			12.24.18	1220

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
(Grab) Comp	HC - HCl
Matrix	HS - H_2SO_4
(AQ) - Water	HN - HNO_3
SO -Soil / Sludge	HP - H_3PO_4
OT - Other	OH - NaOH
Bottle Type	ST - Sodium Thiosulfate
(P) - Plastic	AA - Ascorbic Acid
G - Amber Glass	Al - $AlCl_3$
VOA - 40 ml Vial	Cu - $CuSO_4$
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consisting of sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or replaced from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), Cal Waterboard (LUFT), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered) or is otherwise in breach of the agreement (subject to any disclosure required by law or legal process). PCL shall use the same standard of care it uses in protecting its own confidential data and shall not permit such confidentiality (except disclosure of client's name and identification) waived by PCL reports and materials are provided exclusively for the exclusive use and benefit of Client and Client agrees that shall be the only party to rely on such reports, data or information. Clients will not disclose to any third party any information concerning technical information, software or property of other (confidential).

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, it employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses (including, but not limited to court fees, attorney litigation expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, if injury, damage or death of personnel, loss of, damage to, injury of, or loss of use of property owned by the client or any of their staff or agents.

This indemnity does not apply to any of the foregoing to the extent, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, cover, claims damages, actions of every kind and character arising out of or in connection with the negligence or on breach of contract by any indemnified person, whether actual or alleged in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be of the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including without limitation, loss of profit or business interruption Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified persons in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (weather now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, our sample submittal, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable Price Schedule in effect at the time of operations earlier than the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or credit approval is required for all new clients or clients a history of payment and/or client account has been established with PCL. For those clients with an established client account, the terms for payment of charges are NET DUE within thirty (30) days from date of invoice. To the fullest extent permitted by law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by duly authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client in securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that said data, information and reports are not requested, or shall be used by third upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, refinancing, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed by or to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. For short holding times of 7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short holding times of 48 hours or less (such as 24 hour) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be charged an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jan-19 14:53
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0851-01) Collected: 25-Dec-18 By IPC						
pH	SM4500-H-B	AL82918	0.1	25-Dec-18 (SJ)	7.3 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL82611	0.05	26-Dec-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL82608	1.8	27-Dec-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL82608	1.8	27-Dec-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18L-0850 1

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/25/18	7:45	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	12/25/18	7:45
Received by			
Relinquished by Jose L Gomez	Jose L Gomez	12-25-18	0800
Received by			
Relinquished by			
Received in lab by		12/25/18	0935

Sample Received Checklist

Temperature upon receipt: pre

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	**HC** - HCl
Comp	**HS** - H_2SO_4
Matrix	**HN** - HNO_3
AQ - Water	**HP** - H_3PO_4
SO -Soil / Sludge	**OH** - NaOH
OT - Other	**ST** - Sodium Thiosulfate
Bottle Type	**AA** - Ascorbic Acid
P - Plastic	**Al** - $AlCl_3$
G - Amber Glass	**Cu** -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be void and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written client of consent (LOC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "Services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform its services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample matrices provided by client or at client's request and the results obtained by PCL shall be held in confidence unless such information is generally available to the public or is for public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement, subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and PCL agrees, none shall be to third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information owned using technical information, software programs or other compositions.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, actions or causes of action, costs and associated expenses including, but not limited to all court fees (the Litigation Expenses) and attorneys acting in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. Injury, disease or death of persons 2. Loss of, damage to, and all or loss of use of property and/or 3. Financial loss of every kind or character. This indemnity does not apply to any of the foregoing losses, costs, damages or causes caused solely by the sole negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to, obligate, claims damages, arising of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether active or alleged in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have in PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that all indemnity obligations will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. To the extent shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses in other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance when otherwise requested is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoice. To the fullest extent permitted by law and by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balance. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedures or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbally or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Microbiology, 6 hours) must be delivered that same day to prior to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been noted on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jan-19 14:56
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0865-01) Collected: 26-Dec-18 By IPC						
pH	SM4500-H-B	AL82918	0.1	26-Dec-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL82705	0.05	27-Dec-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL82613	1.8	28-Dec-18 (PL)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL82613	1.8	28-Dec-18 (PL)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1840865

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Golan Kfir	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: **Field** **Lab**
EFF	12/26/18	12:00	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by GK	Golan IPC	12/26/18	12:00
Received by EC	Evan IPC	12/26/18	1230
Relinquished by EC	Evan IPC	12/26/18	1420
Received by			
Relinquished by			
Received in lab by		12/26/18	1420

Sample Received Checklist

Temperature upon receipt: 4°C

# of bottles agrees with COC? ~~Yes~~ No

Samples intact? Yes ~~No~~

Samples properly preserved? ~~Yes~~ No

Samples in holding time? ~~Yes~~ No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
~~Grab~~
~~Comp~~

Matrix
~~AQ~~ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
~~P~~ - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu -$CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or removed from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.
The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes (i) an acceptance by the client of PCL's offer to do business with the client under the terms and condition and (ii) an agreement to be bound by these terms and conditions.
The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No conflicting or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.
For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of this agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of said data where such disclosure was otherwise PCL reports and information provided thereto are for the exclusive use and benefit of client and Client agrees that it shall in no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from any and all claims and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to, all court fees (including if required and even if arising in favor of Client or any third party, as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 3rd party, threats or deaths of persons or loss of damage to loss of, or loss of use of property and/or 3rd party actions of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, suits, actions of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and / or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified persons in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, Bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if made in writing and executed by an officer of PCL and by client, authorized representative, and each that subsequent orders for additional services may be made or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client in securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity, it is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may receive such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, to shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the seeking, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jan-19 14:58
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0889-01) Collected: 27-Dec-18 By IPC						
pH	SM4500-H-B	AL82918	0.1	27-Dec-18 (JC)	7.2 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL82807	0.05	28-Dec-18 (PL)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL82714	1.8	29-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL82714	1.8	29-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810889

Customer: IPC, Inc.		Project : (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/27/18	1105	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.15 / 19.6°C
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (CPL)	12/27/18	12:10
Received by		Armando Olmos (Patchem)	12/27/18	12:10
Relinquished by		Armando Olmos (Patchem)	12/27/18	1:35
Received by				
Relinquished by				
Received in lab by			12.27.18	1335

Sample Received Checklist

Temperature upon receipt:	4
# of bottles agrees with COC?	Yes No
Samples intact?	Yes No
Samples properly preserved?	Yes No
Samples in holding time?	Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Preservations
Grab	HC - HCl
Comp	HS - H_2SO_4
~~Matrix~~	HN - HNO_3
AQ - Water	HP - H_3PO_4
SO -Soil / Sludge	OH - NaOH
OT - Other	ST - Sodium Thiosulfate
Bottle Type	AA - Ascorbic Acid
P - Plastic	Al - $AlCl_3$
G - Amber Glass	Cu -$CuSO_4$
VOA - 40 ml Vial	
Coli - bacteria	

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL)'s standard price schedule as such document may be amended or revised from time to time by PCL.

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PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

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Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

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The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered), or is otherwise in breach of the agreement (subject to any disclosure required by law or legal process). PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of information where such standard was observed. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software programs or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (including expert's agents) and attorneys arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. Such indemnity shall apply to all claims, demands or causes of action for damage to, loss of, or loss of use of property and/or 3. for personal loss of every kind and character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to claims, demands, causes of action, suits and liability arising out of or in connection with the negligence or an breach of contract by any Indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have to PCL and the other Indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to Client for indirect, punitive special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples, materials for analyses such as asbestos, polychlorinated biphenyls, barrels or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analyses, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or such prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or credit approval is required for all new clients or clients with a history of payment and/or credit account problems. Unless otherwise agreed, the terms for payment of charges are NET EIGHT (eight) thirty (30) days from date of invoice. Client failed accept payment of all or any portion of any invoice by the due date shall pay PCL, in addition to the amount of such invoice, interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balance. In case such accounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees of PCL, fees associated with such collection and expenses of witness.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only if in writing and executed by an officer of PCL and by client's duly authorized representative. except that subsequent orders for additional services may be oral or in writing.

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PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own benefit and not as agent, trustee, or in any other representative capacity for any other person or entity. It is understood and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not to be used, nor shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 2pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush start range. For short holding times of 7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 8 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jan-19 15:01
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0904-01) Collected: 28-Dec-18 By IPC						
pH	SM4500-H-B	AL82918	0.1	28-Dec-18 (JC)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL82917	0.05	29-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL82810	1.8	30-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL82810	1.8	30-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810904

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/28/18	1100	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
1	1	1	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Rivera (IPC)	12/28/18	13:50
Received by		Armando Olmos (Pat-Chem)	12/28/18	13:50
Relinquished by		Armando Olmos (Pat-Chem)	12/28/18	15:25
Received by				
Relinquished by				
Received in lab by			12/28/18	1525

Sample Received Checklist

Temperature upon receipt: 4
# of bottles agrees with COC? Yes No
Samples intact? Yes No
Samples properly preserved? Yes No
Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____
Final Flow _____

Sample Type	Matrix	Bottle Type
Grab	AQ - Water	P - Plastic
Comp	SO - Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and/or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule, as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions. The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC) Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party any proprietary information (including technical information, software, programs or other formulations).

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses including, but not limited to, all court fees (the Litigation Expenses) and amounts arising in favor of Client or any third party as a result of, and/or in any way occurring incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. financial loss of every kind or character. This indemnity (hereinafter apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to lawsuit, claims, damages, actions of every kind and character, arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability under the client (regardless of cause [also] of PCL and the other indemnified Persons). To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or where analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted (if at all) by applicable law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or effort.

13. Agreement Modification

Changes, modifications or amendments to the Terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institutions or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times 2-7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 02-Jan-19 15:03
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0925-01) Collected: 29-Dec-18 By IPC						
pH	SM4500-H-B	AL83031	0.1	29-Dec-18 (JC)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AL83029	0.05	30-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL82916	1.8	31-Dec-18 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL82916	1.8	31-Dec-18 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/2/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 18L0925

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by: Ric Vardez	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/29	0930	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
11	11	11	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

Signature	Print Name (Company)	Date	Time
Relinquished by	Ric Vardez (IPC)	12/29	0945
Received by			
Relinquished by	Jose L Gomez	12/29/18	1005
Received by			
Relinquished by			
Received in lab by	Jordan Corkery	12/29/18	1141

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of Sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or revised from time to time by PCL.

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For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

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PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provision to the contrary in any client purchase orders or contracts.

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Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

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8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample matrix (as defined by client or at client's request) and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public, or is the public domain or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any necessary required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data, when such standard was followed. PCL reports and information provided thereunder are for the exclusive use and benefit of client and client agrees that it shall not, or third party beneficiary of such reports, data or information. Client without prior consent any third party any information concerning technical information, software, procedures or other items of value.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, demands, damages, claims, lawsuits, causes of action, costs and expenses (including, but not limited to, attorneys' fees, litigation expenses) and assets arising in favor of Client or any third party, as a result of, and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. Loss of, damage to, loss of, or loss of use of property and/or 3. Damage of any kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this agreement shall specifically apply to, client's data, errors, acts of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by Client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including, without limitation, loss of profit or business interruption) Litigation Expenses or other fees (including, without limitation, attorney's fees, expert's fees, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified persons in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other Hazardous or toxic materials, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations presently now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

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13. Agreement Modification

Changes, modifications, amendments to the terms shall be effective only in writing and executed by an officer of PCL and by duly authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants and agrees that all data, information and reports are not transmitted, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of shareholders, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (Bacteria 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

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All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, could be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Jan-19 23:23
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0930-01) Collected: 30-Dec-18 By IPC						
pH	SM4500-H-B	AL83031	0.1	30-Dec-18 (SJ)	7.5 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA90107	0.05	30-Dec-18 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL83027	1.8	01-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL83027	1.8	01-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1610930

Customer: IPC, Inc.		Project: (MCC) Daily EFF	
Address: 9297 Research Drive		Sampled by: Ric Vardel / Golan Kfir	P.O. #: 949-382-9067
Irvine CA 92618		Report Attention:	Phone #:

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/30	0945	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	7.41/19.6
11	12/30	0945	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

Geotracker EDD:
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Ric VARDEL (IPC)	12/30	0955
Received by		Jordan Corkery	12/30	0955
Relinquished by				
Received by				
Relinquished by				
Received in lab by		Jordan Corkery	12/30	1349

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Sample Received Checklist

Temperature upon receipt: _____

# of bottles agrees with COC?	Yes	No
Samples intact?	Yes	No
Samples properly preserved?	Yes	No
Samples in holding time?	Yes	No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" herein (these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who may request laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or reissued from time to time by PCL.

2. Independent Contractor

PCL act solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the Client's express assent to be governed by these terms and conditions. No boilerplate or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM) Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the reports delivered by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered) or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not be responsible for unauthorized disclosure of such data where such standard was observed. PCL reports and information provided hereunder are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiary of PCL's reports, data or information. Client will not disclose to any third party any information concerning test procedures, software, processes or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold P.C.L. its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, suits and associated expenses, including, but not limited to attorneys fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring, incident to arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. This indemnification will include, but not be limited to, all liability for damages for death or personal injury, loss of use of property and all financial loss of every kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages, or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims damages, awards of every kind and character arising out of or in connection with the negligence of or breach of contract by any indemnified Person, whether active or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the Client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive special, incidental or consequential damages including, without limitation, loss of profit or business interruption. Litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by Client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or an services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any/all fractional analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were rendered or with prices quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or until a history of payment and/or credit account has been established with PCL. For those clients with an established credit account, the terms for payment of charges are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, any amount unpaid at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees associated with such collection procedure or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or by writing.

14. No Third Party Beneficiaries: No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and acknowledged that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or listification of any securities, any periodic or other reporting to the holders of any security, the securing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 3pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times, 7 days, samples must arrive at the lab within 24 hours before expiration to insure that the holding times can be met. Short Holding Times of 48 hours or less (bacteria is 6 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer period is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 14-Jan-19 23:27
Subject: (MCC) Daily Effluent

Project/P.O.#: (MCC) Daily Effluent

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0935-01) Collected: 31-Dec-18 By CA						
pH	SM4500-H-B	AL83031	0.1	31-Dec-18 (SJ)	7.6 pH Units	
Residual Chlorine	SM 4500 Cl-G	AA90107	0.05	01-Jan-19 (JC)	<0.05 mg/l	
Fecal Coliforms	SM 9221E	AL83123	1.8	02-Jan-19 (JC)	<1.8 MPN/100 ml	
Total Coliforms	SM 9221B	AL83123	1.8	02-Jan-19 (JC)	<1.8 MPN/100 ml	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/14/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1GL0935

Customer: IPC, Inc.		Project : **(MCC) Daily EFF**	
Address: 9297 Research Drive		Sampled by:	P.O. #:
Irvine CA 92618		Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/31/18	0940	1	pH, T.Res.Chlorine	Grab	AQ	500 P	4°C	
"	"	"	1	Total & Fecal Coliform	Grab	AQ	Coli	ST	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/31/18	
Received by			12/31/18	1200
Relinquished by			12/31/18	1300
Received by				
Relinquished by				
Received in lab by			12/31/18	1300

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? (Yes) No

Samples intact? (Yes) No

Samples properly preserved? (Yes) No

Samples in holding time? (Yes) No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
(Grab)
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, subsidiaries and parent harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action and associated expenses including, but not limited to, attorney fees (the Litigation Expenses) and awards arising in favor of Client or any third party as a result of, and/or in any way occurring incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or memorandum. Notwithstanding the foregoing, in the event of client's negligence, if there should be a loss of amount 2. loss of damage to, loss of, or loss of use of property and/or 3. illness or loss of any kind of character. This indemnity does not apply to any of the foregoing losses, costs, damages or injuries caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, damages, actions of every kind and character arising out of or in connection with the negligence of the breach of care act by any independent Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, Client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the minimum amount permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, Litigation Expenses or other fees including, without limitation, attorney's fees, court costs, and /or suit or post-judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by Client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis, client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

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15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

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All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for a set pick up or service. Unnecessary delays during the pick up or sampling might be assessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

Attention: Ric Vardel
Report Date: 15-Jan-19 00:14
Subject: (MCC) Weekly EFF

Project/P.O.#: (MCC) Weekly EFF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
EFF (Sample I.D.# : 18L0934-01) Collected: 31-Dec-18 By CA						
Ammonia as N	EPA 350.1	AA90408	0.10	04-Jan-19 (SGS)	0.26 mg/l	
Biochemical Oxygen Demand	SM 5210B	AA90208	2	07-Jan-19 (SGS)	<2 mg/l	
Nitrate as N	EPA 353.2	AA90215	0.20	02-Jan-19 (LA)	2.64 mg/l	
Nitrite as N	EPA 353.2	AA90215	0.02	02-Jan-19 (LA)	0.03 mg/l	
Total Kjeldahl Nitrogen	EPA 351.2	AA90214	0.10	03-Jan-19 (LA)	0.93 mg/l	
Total Suspended Solids	SM 2540D	AA90312	1	03-Jan-19 (SGS)	<1 mg/l	

Notes and Definitions

Respectfully Submitted,

Steve Jefferson 1/15/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810934

Customer: IPC, Inc.		Project : (MCC) Weekly EFF	
Address: 9297 Research Drive		Sampled by: Carlos Alvarez	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
EFF	12/31/18	0940	1	TSS	Grab	AQ	1L P	4°C	
			1	NH4, TKN	Grab	AQ	500 P	HS	
			1	NO2, NO3	Grab	AQ	500 P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	

~~Geotracker EDD:~~
Logcode: IPCI
Global ID: WDR100000359

	Signature	Print Name (Company)	Date	Time
Relinquished by		Carlos Alvarez (IPC)	12/31/18	
Received by			12/31/18	1200
Relinquished by			12/31/18	1300
Received by				
Relinquished by				
Received in lab by			12-31-18	1300

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? Yes No

Samples intact? Yes No

Samples properly preserved? Yes No

Samples in holding time? Yes No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type
Grab
Comp

Matrix
AQ - Water
SO -Soil / Sludge
OT - Other

Bottle Type
P - Plastic
G - Amber Glass
VOA - 40 ml Vial
Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
Al - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Rev 2 Effective 5/1/17

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3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which purports to incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the client and PCL.

The Client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions expressed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S. Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or compositions of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or successors to the client arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for conditions in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain) or client has filed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care it uses in protecting its own confidential data and shall not use reasonable care to prevent unauthorized disclosure of such data. Where such standard was consented PCL's reports and information provided thereunder are for the exclusive use and benefit of Client and Client agrees there shall be no third party beneficiary of such reports, data or information. Client will not disclose to any third party(ies) proprietary information including technical information, software processes or other formulations.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, agents, affiliates, successors and parent harmless from and against any and all liabilities, losses or damages, claims, demands, subject to Section 4 and consequential damages, including but not limited to all costs and expenses (legal and expert) arising in favor of Client or any third party as a result of, or due in any way directly, indirectly or wholly due to, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials. 1. injury, illness or death of persons 2. loss of, damage to, loss of, or loss of use of property and or 3. financial loss of every kind or character. This indemnity shall not apply to any of the foregoing injuries, costs, damages or claims caused solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to losses, claims, liabilities, actions of every kind and character arising out of or in connection with PCL's negligence or breach of contract by any indemnified person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be honored by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages (including without limitation, loss of profit or business interruption) litigation expenses or other fees (including, without limitation, attorney's fees, court costs, and /or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or all services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples materials or analytes such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated) or any judicial or administrative interpretation of any thereof (the "Hazardous Materials"). Client understands and agrees that any hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or its PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for any lab bacterial analysis client will be charged a sample disposal fee per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect at the time of operations or the date the services were rendered or as otherwise quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance or when analysis is completed is required for all new clients or under a history of payment and/or credit account has been established with PCL. For those clients with an established line of account, the terms for payment of one gross are NET CASH within thirty (30) days from date of invoices. To the fullest extent permitted by law, all sums unpaid when any amount appears at the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law, or one and one half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees or agents' fees even with such collection efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only if in writing and executed by an officer of PCL and by client's authorized representative, except that subsequent orders for additional services may be verbal or in writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information, or report(s) furnished by PCL. Client is securing services hereunder for its own account, and not as agent or broker, or in any other representative capacity for any other person or entity. You agree and acknowledge that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the issuing, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advance. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being received by PCL. A list of holding times can be provided to the client if requested. All analytes with holding times of 14 days or less, samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (< 7 days), samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (analytes with 72 hours) must be delivered that same day in order to guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage term.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling might be accessed an additional fee.

PAT-CHEM
LABORATORIES

QUALITY ANALYTICAL SERVICES SINCE 1987

1824 1st Street
San Fernando, CA 91340
(818) 639-5300 ph
(818) 639-5306 fx
pat-chem.com

Customer: **Integrated Performance Consultants, Inc.**
9297 Research Drive
Irvine CA, 92618

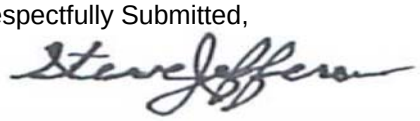
Attention: Ric Vardel
Report Date: 15-Jan-19 00:18
Subject: (MCC) Weekly INF

Project/P.O.#: (MCC) Weekly INF

PARAMETER	METHOD	QC BATCH	REPORTING LIMIT	ANALYZED (ANALYST)	RESULT	NOTE
INF (Sample I.D.# : 18L0938-01) Collected: 31-Dec-18 By MM						
Biochemical Oxygen Demand	SM 5210B	AA90208	2	07-Jan-19 (SGS)	566 mg/l	
Total Suspended Solids	SM 2540D	AA90312	1	03-Jan-19 (SGS)	261 mg/l	

Notes and Definitions

Respectfully Submitted,



Steve Jefferson 1/15/2019
Laboratory Director

Pat-Chem Laboratories
1824 1st Street
San Fernando, CA 91340

CHAIN OF CUSTODY RECORD

Phone (818) 639-5300
Fax (818) 639-5306

Environmental Sample

Sample I.D.#: 1810938

Customer: IPC, Inc.		Project : (MCC) Weekly INF	
Address: 9297 Research Drive		Sampled by: Mohamad Monghasem	P.O. #:
Irvine	CA 92618	Report Attention: Ric Vardel / Golan Kfir	Phone #: 949-382-9067

Sample Description	Date Sampled	Time Sampled	# of bottles	Required Tests	Sample Type	Matrix	Bottle Type	Preserve	Field Data (pH / Temperature) pH: Field Lab
INF	12/31/18	9:50	1	TSS	Grab	AQ	1L P	4°C	
			1	BOD	Grab	AQ	1L P	4°C	
~~Geotracker EDD:~~ Logcode: IPCI Global ID: WDR100000359									

Signature	Print Name (Company)	Date	Time
Relinquished by	Mohamad Monghasem	12/31/18	
Received by		12/31/18	1200
Relinquished by		12/31/18	1300
Received by			
Relinquished by			
Received in lab by		12.31.18	13:0

Sample Received Checklist

Temperature upon receipt: 4

# of bottles agrees with COC? ~~Yes~~ No

Samples intact? ~~Yes~~ No

Samples properly preserved? ~~Yes~~ No

Samples in holding time? ~~Yes~~ No

Compliance Monitor

Initial Flow _____

Final Flow _____

Sample Type	Matrix	Bottle Type
~~Grab~~	AQ - Water	P - Plastic
Comp	SO -Soil / Sludge	G - Amber Glass
	OT - Other	VOA - 40 ml Vial
		Coli - bacteria

Preservations
HC - HCl
HS - H_2SO_4
HN - HNO_3
HP - H_3PO_4
OH - NaOH
ST - Sodium Thiosulfate
AA - Ascorbic Acid
AI - $AlCl_3$
Cu - $CuSO_4$

Note: Samples are discarded 30 days after results are reported, unless other arrangements are made.

Pat-Chem Laboratories (PCL) Terms and Conditions

1. Definitions

"Terms and Conditions" means these Terms and Conditions of sale, including the price schedule, and any additions or amendments hereto which are agreed to in writing. "Client" means the individual or entity who has requested laboratory services, consulting or sampling services and his or its heirs, successors, assigns and representatives. "Price Schedule" means Pat-Chem Laboratories (PCL) standard price schedule as such document may be amended or refined from time to time by PCL.

2. Independent Contractor

PCL acts solely as an independent contractor in performing all services.

3. Orders and Acceptance

PCL offers and will accept orders for services (as defined herein) only under the following General Terms and Conditions (the "Terms"). These Terms shall not apply if PCL and the Client shall have executed a separate agreement in writing which does not incorporate the Terms. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of the Client and PCL.

The client may order services by submitting a written chain of custody (COC) to PCL. Any such order constitutes 1. an acceptance by the client of PCL's offer to do business with the client under the terms and conditions and 2. an agreement to be bound by these terms and conditions.

The Client's delivery of samples to PCL or initiation of consulting services constitutes the Client's express assent to be governed by these terms and conditions. No contrary or additional terms and conditions proposed in a client's document shall be deemed to become a part of the contract created upon acceptance of the terms and conditions.

For purpose of this agreement, "services" shall mean all work to be performed for the client, including provision of all equipment and materials to be furnished by PCL.

4. Limit of Liability

PCL will perform the services in accordance with the normal standards of workmanship in the profession. Where applicable, PCL will use analytical methodologies which are in substantial conformity with the U.S Environmental Protection Agency (EPA), CA Waterboard (ELAP), American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods (SM) of the Examination of Water and Wastewater and/or other recognized methodologies. PCL reserves the right to deviate from these methodologies if necessary or appropriate due to the nature or composition of the samples or otherwise based on the reasonable judgement of PCL. Deviations, if any, will be made on a basis consistent with the recognized standards of the industry and/or PCL Standard Operating Procedures (SOP) and/or our QA/QC policies. The total liability of PCL, its officers, agents, employees or representatives to the client, arising out of or in connection with the services to be provided herein, shall not exceed the invoiced amount for said services. Client's acceptance of a work order and /or proposal releases PCL from any liability in excess of the invoiced amount for the services notwithstanding any provisions to the contrary in any client purchase orders or contracts.

5. Clients Responsibility

Unless PCL personnel performs the sampling, the client shall be responsible for the condition which the samples are collected and for condition in and about the sampling site and for advising PCL of the same and all information required to enable PCL to perform its services safely and efficiently.

6. Cancellation

Client may cancel any order for services hereunder subject to payment for all services rendered and out-of-pocket expenses incurred up to the date of cancellation in accordance with the applicable Price Schedule.

7. Overriding Agreement

The parties agree that the Terms shall govern performance of Client's initial order and all subsequent orders for additional services, whether placed in writing or verbally, except to the extent the Terms are modified in writing and executed by an authorized representative of both parties.

8. Force Majeure

PCL shall not be responsible for delay or failure to perform the services pursuant to this agreement due to causes beyond its control.

9. Confidentiality

Data and the sample materials provided by client or at client's request and the results obtained by PCL shall be held in confidence (unless such information is generally available to the public or is the public domain or client has failed to pay PCL for all services rendered or is otherwise in breach of the agreement) subject to any disclosure required by law or legal process. PCL shall use the same standard of care in order to protecting its own confidential data and shall not be responsible for unauthorized disclosure of confidential information unless such disclosure is caused by PCL's gross negligence or willful misconduct. PCL reports and information provided thereto are for the exclusive use and benefit of client and client agrees there shall be no third party beneficiaries of such reports, data or information. Client will not disclose to any third party any information concerning technical information, software, programs or other know-how.

10. Hold Harmless

Client releases and shall save, indemnify, defend and hold PCL, its employees, officers, directors, parents, affiliates, subsidiaries and agents harmless from and against any and all liabilities, losses or damages, claims, demands, causes of action, costs and associated expenses, including, but not limited to all court fees (the Litigation Expenses) and awards arising in favor of Client or any third party, as a result of, and/or in any way occurring, incident to, arising out of, or in connection with the performance of services by PCL pursuant to this agreement and/or transportation, handling or disposal of client's hazardous materials, 1. injury, disease or death of persons 2. cost of damage to, loss of, or lack of use of property and/or 3. breach of any of every one of the acts. This indemnity does not apply to any of the foregoing losses, costs, damages or liabilities arising solely by the gross negligence or willful misconduct of PCL or its employees. Further, this indemnity shall specifically apply to Losses, claims, damages, actions of a civil, criminal or administrative nature in connection with the negligence of or breach of contract by any indemnified Person, whether actual or alleged, in the performance of services under this agreement. The foregoing indemnities will be in addition to any liability which the client might otherwise have to PCL and the other indemnified Persons. To the extent necessary under applicable law, client agrees that its indemnity obligation will be supported by available liability insurance coverage to be furnished by client, which insurance shall be in the maximum amounts permitted under applicable law. In no event shall PCL be liable to client for indirect, punitive, special, incidental or consequential damages including, without limitation, loss of profit or business interruption, litigation Expenses or other fees (including, without limitation, attorney's fees, court costs, and/or pre or post judgment interest), or any other expenses or costs incurred by client or any other party in any litigation against or involving PCL or any indemnified person in connection with this agreement or services provided under this agreement even if client is the prevailing party.

11. Hazardous Substances

For PCL to perform the services requested by client, client will provide and PCL will receive samples or materials for analyses such as asbestos, polychlorinated biphenyls, bacteria or any other hazardous or toxic material, wastes and substances which are defined, determined or identified as such under federal, state or local laws, rules, PCL policies or regulations (whether now existing or hereafter enacted or promulgated or any judicial or administrative interpretation of any thereof the "Hazardous Materials") Client understands and agrees that any Hazardous material received by PCL from client or at client's request shall remain the property of Client and that upon completion of PCL's services, PCL will dispose of all unused portions of samples as specified by client or by PCL's QA/QC policies. In the event the client does not specify its preferred method of disposal, PCL will return to the client all unused samples which contain Hazardous Materials. PCL reserves the right to charge the client for the disposal of unused samples in accordance with PCL's current sample disposal policy. In addition, all samples received by PCL for aerobic bacterial analysis, client will be charged a sample disposal fee, per sample submitted, in accordance with our QA/QC policies and procedures.

12. Prices/Payments

Client shall pay PCL in accordance with PCL's applicable price schedule in effect in the area of operations on the date the services were initiated or work orders quoted and later confirmed in writing. The price schedule is subject to change at any time without notice. Payment in advance for which analysis is contracted is required for all new clients or until a history of payment and credit account has been established with PCL. For those clients with an established credit account, the terms of payment of charges are NET EACH within thirty (30) days from date of invoice. To the fullest extent permitted by law as set by applicable law, any amount unpaid as the end of thirty (30) days is subject to interest at the lesser of the maximum rate permitted by law or one and one-half percent (1.5%) per month on the unpaid balances. If unpaid amounts are collected through legal proceedings or by an attorney, the client shall pay reasonable costs and attorney's fees (or salary) PCL's employees with such collection proceedings or efforts.

13. Agreement Modification

Changes, modifications or amendments to the terms shall be effective only in writing and executed by an officer of PCL and by client's authorized representative. Verbal and subsequent orders for additional samples may be initiated by writing.

14. No Third Party Beneficiaries; No Right of Reliance

PCL shall have no responsibility or liability for client's use of or reliance on data, information or reports furnished by PCL. Client is securing services hereunder for his own account, and not as agent or broker, or in any other representative capacity for any other person or entity. It is agreed and understood that there are no third party beneficiaries to this agreement, and that no third party may rely on such data, information or reports. Client represents, warrants, and agrees that said data, information and reports are not requested, or shall be used to relied upon, in connection with or as part of, the purchase, sale, underwriting, or distribution of any securities, any periodic or other reporting to the holders of any securities, the granting, amendment, renewal, or extension of any loan from any financial institution or other lender or the certification to or contracting with, directly or indirectly, any governmental agency or department.

15. Rush Analysis

Rush analyses are available for an additional charge and must be arranged in advanced. If, for any unforeseen reason, the rush turnaround time cannot be met, the normal price will apply.

16. Holding Times

PCL cannot be responsible for holding times that are exceeded because of samples that are delivered on weekends or after 5pm on weekdays without prior notification and acceptance. Standard holding times and storage conditions should be reviewed prior to any samples being released by PCL. A list of holding times can be provided to the client if requested. All analyses with holding times of 24 hours or less (samples must arrive within 96 hours to allow PCL to meet holding times without applying a rush surcharge. All short holding times (i.e. 7 days, samples must arrive at the lab within 24 hours before expiration to ensure that the holding times can be met. Short Holding Times of 48 hours or less (sections 4-8 hours) may not be delivered that same day to ensure guarantee holding times are met. After hours, late delivery, freight company delays or similar issues are subject to additional rush fees and/or the inability to meet holding times. All holding times are in effect as of the publication date of this fee schedule and are subject to change without notice.

17. Sample Retention

All samples are retained for at least thirty (30) days after analysis has been completed. Sample storage for longer periods is by request only. Pre-arranged long term storage is subject to an additional charge. Samples will be discarded at the end of the pre-arranged storage time.

18. Sample Pick Up/Field Tech Sampling

All pick up/sampling fees have been notated on the fee schedule. Reasonable time has been allocated for each pick up or service. Unnecessary delays during the pick up or sampling, might be accessed an additional fee.

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Pat-Chem Laboratories

11990 Discovery Court

Moorpark, CA 93021

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1531**

Expiration Date: **5/31/2019**

Effective Date: **6/1/2017**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

Pat-Chem Laboratories

11990 Discovery Court
Moorpark, CA 93021
Phone: (805) 532-0012

Certificate No. 1531
Expiration Date 5/31/2019

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM9215B
101.010	001	Heterotrophic Bacteria	SM9215B
101.010	002	Heterotrophic Bacteria	SimPlate
101.011	001	Heterotrophic Bacteria	SimPlate
101.020	001	Total Coliform P/A	SM9221B
101.020	002	Fecal Coliform P/A	SM 9221 B,E
101.020	003	E. coli P/A	SM 9221 B,F
101.050	001	Total Coliform P/A	SM9223B (Colilert)
101.050	001	Total Coliform P/A	SM9223B (Colilert)
101.050	002	E. coli P/A	SM9223B (Colilert)
101.050	002	E. coli P/A	SM9223B (Colilert)

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.015	001	Hydrogen Ion (pH)	EPA 150.1
102.015	001	Hydrogen Ion (pH)	EPA 150.1
102.020	001	Turbidity	EPA 180.1
102.020	001	Turbidity	EPA 180.1
102.026	001	Calcium	EPA 200.7
102.026	002	Magnesium	EPA 200.7
102.026	003	Potassium	EPA 200.7
102.026	004	Silica	EPA 200.7
102.026	005	Sodium	EPA 200.7
102.026	006	Hardness (calculation)	EPA 200.7
102.030	001	Bromide	EPA 300.0
102.030	001	Bromide	EPA 300.0
102.030	002	Chlorate	EPA 300.0
102.030	002	Chlorate	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	004	Chlorite	EPA 300.0
102.030	004	Chlorite	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate	EPA 300.0
102.030	006	Nitrate (as N)	EPA 300.0
102.030	007	Nitrite (as N)	EPA 300.0
102.030	007	Nitrite	EPA 300.0
102.030	008	Phosphate, Ortho (as P)	EPA 300.0
102.030	008	Phosphate, Ortho	EPA 300.0

As of 5/31/2017 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

102.030	009	Sulfate	EPA 300.0
102.030	010	Sulfate	EPA 300.0
102.045	001	Perchlorate	EPA 314.0
102.045	001	Perchlorate	EPA 314.0
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.060	001	Nitrate (as N) (Calculation)	EPA 353.2
102.061	001	Nitrite	EPA 353.2
102.061	001	Nitrite	EPA 353.2
102.070	001	Phosphate, Ortho	EPA 365.1
102.095	001	Turbidity	SM2130B-2001
102.095	001	Turbidity	SM2130B-2001
102.100	001	Alkalinity	SM2320B
102.100	001	Alkalinity	SM2320B-1997
102.120	001	Hardness (calculation)	SM2340B-1997
102.120	001	Hardness	SM2340B
102.121	001	Hardness	SM2340C
102.121	001	Hardness	SM2340C-1997
102.130	001	Conductivity	SM2510B-1997
102.130	001	Conductivity	SM2510B
102.140	001	Total Dissolved Solids	SM2540C
102.140	001	Residue, Filterable TDS	SM2540C-1997
102.147	001	Calcium	SM3120B-1999
102.147	002	Magnesium	SM3120B-1999
102.147	003	Potassium	SM3120B-1999
102.147	004	Silica	SM3120B-1999
102.147	006	Hardness (calculation)	SM3120B-1999
102.150	001	Chloride	SM4110B
102.150	002	Fluoride	SM4110B
102.150	003	Nitrate	SM4110B
102.150	004	Nitrite	SM4110B
102.150	005	Phosphate, Ortho	SM4110B
102.150	006	Sulfate	SM4110B
102.175	001	Chlorine, Free	SM4500-Cl G-2000
102.175	001	Chlorine, Free	SM4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM4500-Cl G-2000
102.175	002	Chlorine, Total Residual	SM4500-Cl G-2000
102.190	001	Cyanide, Total	SM4500-CN E
102.190	001	Cyanide, Total	SM4500-CN E
102.191	001	Cyanide, Total	SM4500-CN F
102.192	001	Cyanide, amenable	SM4500-CN G
102.200	001	Fluoride	SM4500-F C-1997
102.200	001	Fluoride	SM4500-F C
102.203	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
102.203	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
102.234	001	Nitrite (as N)	SM4500-NO3- F-2000
102.234	001	Nitrite	SM4500-NO3 F
102.234	002	Nitrate (as N)	SM4500-NO3- F-2000

102.234	002	Nitrate	SM4500-NO3 F
102.241	001	Phosphate, Ortho	SM4500-P F
102.260	001	Total Organic Carbon TOC	SM5310B-2000
102.260	001	Total Organic Carbon TOC	SM5310B
102.261	001	Dissolved Organic Carbon (DOC)	SM5310B-2000
102.261	001	Dissolved Organic Carbon (DOC)	SM5310B
102.270	001	Surfactants	SM5540C-2000
102.270	001	Surfactants	SM5540C
102.520	001	Calcium	EPA 200.7
102.520	002	Magnesium	EPA 200.7
102.520	003	Potassium	EPA 200.7
102.520	004	Silica	EPA 200.7
102.520	005	Sodium	EPA 200.7
102.520	006	Hardness (calculation)	EPA 200.7

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.030	001	Mercury	SM3112B
103.060	001	Aluminum	SM3120B
103.060	003	Barium	SM3120B
103.060	004	Beryllium	SM3120B
103.060	007	Chromium	SM3120B
103.060	008	Copper	SM3120B
103.060	009	Iron	SM3120B
103.060	011	Manganese	SM3120B
103.060	012	Nickel	SM3120B
103.060	015	Silver	SM3120B
103.060	017	Zinc	SM3120B
103.130	001	Aluminum	EPA 200.7
103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7

103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6
103.310	001	Chromium (VI)	EPA 218.6

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane	EPA 504.1
104.030	001	1,2-Dibromoethane	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane	EPA 504.1
104.030	003	1,2,3-Trichloropropane	EPA 504.1

104.030	003	1,2,3-Trichloropropane	EPA 504.1
104.035	001	1,2,3-Trichloropropane	SRL 524M-TCP
104.035	001	1,2,3-Trichloropropane	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene	EPA 524.2
104.040	025	1,1-Dichloroethene	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane	EPA 524.2
104.040	028	Dichloromethane	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2

104.040	035	Ethylbenzene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	043	1,1,1,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethene	EPA 524.2
104.040	045	Tetrachloroethene	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	047	1,2,3-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2
104.045	000	Trihalomethanes, Total	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.045	005	Trihalomethanes	EPA 524.2

104.050	000	Gasoline Additives	EPA 524.2
104.050	000	Gasoline Additives	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	003	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	004	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	005	Trichlorotrifluoroethane	EPA 524.2
104.050	005	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	006	Trichlorotrifluoroethane	EPA 524.2
104.050	006	tert-Butyl Alcohol (TBA)	EPA 524.2
104.050	007	tert-Butyl Alcohol (TBA)	EPA 524.2
104.050	008	Carbon Disulfide	EPA 524.2
104.050	009	Methyl Isobutyl Ketone	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.020	000	Adipates	EPA 506
105.020	000	Phthalates	EPA 506
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	001	Di(2-ethylhexyl) Adipate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.020	002	Di(2-ethylhexyl) Phthalate	EPA 506
105.020	010	Phthalates	EPA 506
105.030	000	N-, P- Pesticides	EPA 507
105.030	000	N-, P- Pesticides	EPA 507
105.030	001	Alachlor	EPA 507
105.030	001	Alachlor	EPA 507
105.030	002	Atrazine	EPA 507
105.030	002	Atrazine	EPA 507
105.030	003	Butachlor	EPA 507
105.030	003	Butachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	005	Metolachlor	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	006	Metribuzin	EPA 507
105.030	007	Molinate	EPA 507
105.030	007	Molinate	EPA 507
105.030	008	Prometryn	EPA 507
105.030	008	Prometryn	EPA 507
105.030	009	Simazine	EPA 507
105.030	009	Simazine	EPA 507
105.035	000	Organochlorine Pesticides	EPA 508
105.035	001	Aldrin	EPA 508
105.035	001	Aldrin	EPA 508
105.035	002	Dieldrin	EPA 508
105.035	003	Endosulfan I	EPA 508
105.035	003	Endosulfan I	EPA 508
105.035	004	Endosulfan II	EPA 508

105.035	004	Endosulfan II	EPA 508
105.035	005	Endosulfan Sulfate	EPA 508
105.035	005	Endosulfan Sulfate	EPA 508
105.035	006	Endrin	EPA 508
105.035	007	Endrin Aldehyde	EPA 508
105.035	007	Endrin Aldehyde	EPA 508
105.035	008	Heptachlor	EPA 508
105.035	009	Heptachlor Epoxide	EPA 508
105.035	010	Hexachlorobenzene	EPA 508
105.035	011	Lindane	EPA 508
105.035	012	Methoxychlor	EPA 508
105.035	013	Propachlor	EPA 508
105.035	013	Propachlor	EPA 508
105.035	014	Chlordane	EPA 508
105.035	015	Toxaphene	EPA 508
105.035	018	Aroclor 1221	EPA 508
105.035	019	Aroclor 1232	EPA 508
105.035	020	Arochlor 1242	EPA 508
105.035	020	Arochlor 1242	EPA 508
105.035	021	Aroclor 1248	EPA 508
105.035	022	Aroclor 1254	EPA 508
105.035	022	Aroclor 1254	EPA 508
105.035	023	Aroclor 1260	EPA 508
105.040	000	Chlorinated Pesticides	EPA 508
105.040	003	Chlordane (total)	EPA 508
105.040	007	Endrin	EPA 508
105.040	008	Heptachlor	EPA 508
105.040	009	Heptachlor Epoxide	EPA 508
105.040	010	Hexachlorobenzene	EPA 508
105.040	012	Lindane	EPA 508
105.040	013	Methoxychlor	EPA 508
105.040	015	Toxaphene	EPA 508
105.040	016	PCBs as Aroclors (screen)	EPA 508
105.070	001	Bentazon	EPA 515.1
105.070	001	Bentazon	EPA 515.1
105.070	002	2,4-D	EPA 515.1
105.070	002	2,4-D	EPA 515.1
105.070	003	Dalapon	EPA 515.1
105.070	004	Dicamba	EPA 515.1
105.070	004	Dicamba	EPA 515.1
105.070	005	Dinoseb	EPA 515.1
105.070	005	Dinoseb	EPA 515.1
105.070	006	Pentachlorophenol	EPA 515.1
105.070	006	Pentachlorophenol	EPA 515.1
105.070	007	Picloram	EPA 515.1
105.070	007	Picloram	EPA 515.1
105.070	008	2,4,5-TP	EPA 515.1

105.070	008	2,4,5-TP	EPA 515.1
105.070	009	Chlorinated Acids	EPA 515.1
105.160	000	Polynuclear Aromatic Hydrocarbons	EPA 550
105.160	000	Polynuclear Aromatic Hydrocarbons	EPA 550
105.160	001	Benzo(a)pyrene	EPA 550
105.160	001	Benzo(a)pyrene	EPA 550
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	004	Dalapon	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2

Field of Testing: 107 - Microbiology of Wastewater

107.010	001	Heterotrophic Bacteria	SM9215B
107.020	002	Total Coliform (Enumeration)	SM9221B,E-2006
107.020	002	Total Coliform (Enumeration)	SM9221B-2006
107.030	002	Total Coliform with Chlorine Present	SM9221B,C-2006
107.030	002	Total Coliform with Chlorine Present	SM9221B,C-2006
107.040	002	Fecal Coliform (Enumeration)	SM9221C,E-2006
107.040	002	Fecal Coliform (Enumeration)	SM9221C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM9221C,E-2006
107.050	002	Fecal Coliform with Chlorine Present	SM9221C,E-2006
107.242	001	Enterococci	Enterolert
107.242	001	Enterococci	Enterolert
107.245	002	E. coli (Enumeration)	SM9223B (Colilert)
107.245	002	E. coli (Enumeration)	SM9223B (Colilert)
107.247	001	E. coli (Enumeration)	SM9221B,F-2006
107.247	001	E. coli (Enumeration)	SM9221B,F-2006

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.020	001	Conductivity	EPA 120.1
108.020	001	Conductivity	EPA 120.1
108.030	001	Hardness	EPA 130.1
108.051	001	Hydrogen Ion (pH)	EPA 150.1
108.090	001	Residue, Volatile	EPA 160.4
108.090	001	Residue, Volatile	EPA 160.4
108.110	001	Turbidity	EPA 180.1
108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	001	Boron	EPA 200.7

108.112	002	Calcium	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (calculation)	EPA 200.7
108.112	003	Hardness (calculation)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	006	Silica	EPA 200.7
108.112	006	Silica, Dissolved	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.113	001	Boron	EPA 200.8
108.113	001	Boron	EPA 200.8
108.113	002	Calcium	EPA 200.8
108.113	002	Calcium	EPA 200.8
108.113	003	Magnesium	EPA 200.8
108.113	003	Magnesium	EPA 200.8
108.113	004	Potassium	EPA 200.8
108.113	004	Potassium	EPA 200.8
108.113	005	Silica, Dissolved	EPA 200.8
108.113	006	Sodium	EPA 200.8
108.113	006	Sodium	EPA 200.8
108.120	001	Bromide	EPA 300.0
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	012	Nitrate (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	013	Nitrate-Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.120	014	Nitrite (as N)	EPA 300.0
108.120	015	Phosphate, Ortho (as P)	EPA 300.0
108.120	015	Phosphate, Ortho (as P)	EPA 300.0
108.209	001	Ammonia (as N)	EPA 350.1
108.209	001	Ammonia (as N)	EPA 350.1
108.210	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.1
108.211	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.211	002	Kjeldahl Nitrogen, Total (as N)	EPA 351.2
108.232	003	Nitrate-Nitrite (as N)	EPA 353.2
108.232	003	Nitrate-Nitrite (as N)	EPA 353.2
108.232	004	Nitrite (as N)	EPA 353.2

108.232	004	Nitrite (as N)	EPA 353.2
108.260	001	Phosphate, Ortho	EPA 365.1
108.260	001	Phosphate, Ortho	EPA 365.1
108.261	001	Phosphorus, Total	EPA 365.1
108.261	001	Phosphorus, Total	EPA 365.1
108.264	001	Phosphate, Ortho	EPA 365.3
108.265	001	Phosphorus, Total	EPA 365.3
108.266	001	Phosphorus, Total	EPA 365.4
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.360	001	Phenols, Total	EPA 420.1
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil and Grease	EPA 1664A
108.381	001	Oil and Grease	EPA 1664A
108.390	001	Turbidity	SM2130B-2001
108.390	001	Turbidity	SM2130B-2001
108.400	001	Acidity	SM2310B-1997
108.410	001	Alkalinity	SM2320B-1997
108.410	001	Alkalinity	SM2320B-1997
108.420	001	Hardness (calculation)	SM2340B-1997
108.420	001	Hardness (calculation)	SM2340B-1997
108.421	001	Hardness	SM2340C-1997
108.421	001	Hardness	SM2340C-1997
108.430	001	Conductivity	SM2510B-1997
108.430	001	Conductivity	SM2510B-1997
108.438	001	Boron	SM3125B-2009
108.438	002	Calcium	SM3125B-2009
108.438	003	Magnesium	SM3125B-2009
108.438	004	Potassium	SM3125B-2009
108.438	006	Sodium	SM3125B-2009
108.438	007	Hardness (calculation)	SM3125B-2009
108.439	001	Residue, Volatile	SM2540E-1997
108.439	001	Residue, Volatile	SM2540E-1997
108.440	001	Residue, Total	SM2540B-1997
108.440	001	Residue, Total	SM2540B-1997
108.441	001	Residue, Filterable TDS	SM2540C-1997
108.441	001	Residue, Filterable TDS	SM2540C-1997
108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.444	001	Temperature	SM2550B-2000
108.444	001	Temperature	SM2550B-2000
108.447	001	Boron	SM3120B-1999
108.447	002	Calcium	SM3120B-1999
108.447	003	Hardness (calculation)	SM3120B-1999
108.447	004	Magnesium	SM3120B-1999

108.447	005	Potassium	SM3120B-1999
108.447	006	Silica	SM3120B-1999
108.447	007	Sodium	SM3120B-1999
108.448	001	Bromide	SM4110B-2000
108.448	002	Chloride	SM4110B-2000
108.448	003	Fluoride	SM4110B-2000
108.448	004	Nitrate (as N)	SM4110B-2000
108.448	005	Nitrite (as N)	SM4110B-2000
108.448	006	Nitrate-nitrite	SM4110B-2000
108.448	007	Phosphate, Ortho	SM4110B-2000
108.448	008	Sulfate	SM4110B-2000
108.465	001	Chlorine, Total Residual	SM4500-Cl G-2000
108.465	001	Chlorine, Total	SM4500-Cl G-2000
108.465	002	Chlorine, Free	SM4500-Cl G-2000
108.465	002	Chlorine, Free	SM4500-Cl G-2000
108.472	001	Cyanide, Total	SM4500-CN E-1999
108.472	001	Cyanide, Total	SM4500-CN C,E-1999
108.473	001	Cyanide, amenable	SM4500-CN G-1999
108.473	001	Cyanide, amenable	SM4500-CN G-1999
108.474	001	Cyanide, Total	SM4500-CN F-1999
108.480	001	Fluoride	SM4500-F B,C-1997
108.480	001	Fluoride	SM4500-F B,C-1997
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B-2000
108.506	002	Ammonia (as N)	SM4500-NH3 G-1997
108.508	002	Ammonia (as N)	SM4500-NH3 G-1997
108.513	001	Kjeldahl Nitrogen, Total (as N)	SM4500-Norg D-1997
108.529	001	Nitrate-Nitrite (as N)	SM4500-NO3- F-2000
108.529	001	Nitrate-Nitrite (as N)	SM4500-NO3- F-2000
108.529	002	Nitrite (as N)	SM4500-NO3- F-2000
108.529	002	Nitrite (as N)	SM4500-NO3- F-2000
108.529	003	Nitrate (as N)	SM4500-NO3- F-2000
108.529	003	Nitrate (as N)	SM4500-NO3- F-2000
108.536	001	Oxygen, dissolved	SM4500-O G-2001
108.542	001	Phosphate, Ortho	SM4500-P F
108.544	001	Phosphate, Ortho (as P)	SM4500-P G-1999
108.545	001	Phosphorus, Total	SM4500-P H-1999
108.584	001	Sulfide (as S)	SM4500-S= D-2000
108.584	001	Sulfide (as S)	SM4500-S= D-2000
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.592	002	Carbonaceous BOD	SM5210B-2001
108.592	002	Carbonaceous BOD	SM5210B-2001
108.595	001	Chemical Oxygen Demand	SM5220D-1997
108.595	001	Chemical Oxygen Demand	SM5220D-1997
108.596	001	Organic Carbon-Total (TOC)	SM5310B-2000
108.603	001	Oil & Grease Total	SM5520B-2001

108.605	001	Surfactants	SM5540C-2000
108.605	001	Surfactants	SM5540C-2000
108.625	001	Phenols, Total	SM5530 B-2005
108.626	001	Phenols, Total	SM5530 D-2005
108.626	001	Phenols, Total	SM5530 D-2005

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	006	Boron	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	025	Titanium	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	026	Vanadium	EPA 200.7

109.010	027	Zinc	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	020	Gold	EPA 200.8
109.020	021	Iron	EPA 200.8
109.020	021	Iron	EPA 200.8
109.020	022	Tin	EPA 200.8
109.020	023	Titanium	EPA 200.8
109.020	023	Titanium	EPA 200.8
109.104	001	Chromium (VI)	EPA 218.6
109.104	001	Chromium (VI)	EPA 218.6
109.190	001	Mercury	EPA 245.1

109.190	001	Mercury	EPA 245.1
109.430	001	Aluminum	SM3120B-1999
109.430	002	Antimony	SM3120B-1999
109.430	003	Arsenic	SM3120B-1999
109.430	004	Barium	SM3120B-1999
109.430	005	Beryllium	SM3120B-1999
109.430	007	Cadmium	SM3120B-1999
109.430	009	Chromium	SM3120B-1999
109.430	010	Cobalt	SM3120B-1999
109.430	012	Iron	SM3120B-1999
109.430	015	Manganese	SM3120B-1999
109.430	016	Molybdenum	SM3120B-1999
109.430	017	Nickel	SM3120B-1999
109.430	019	Selenium	SM3120B-1999
109.430	021	Silver	SM3120B-1999
109.430	023	Thallium	SM3120B-1999
109.430	024	Vanadium	SM3120B-1999
109.430	025	Zinc	SM3120B-1999
109.445	002	Chromium (VI)	SM3500-Cr B-2009
109.446	001	Chromium (VI)	SM3500-Cr C-2009

Field of Testing: 110 - Volatile Organic Chemistry of Wastewater

110.040	000	Purgeable Organic Compounds	EPA 624
110.040	000	Purgeable Organic Compounds	EPA 624

Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater

111.010	000	Phenols	EPA 604
111.010	000	Phenols	EPA 604
111.060	000	Polynuclear Aromatics	EPA 610
111.060	000	Polynuclear Aromatics	EPA 610
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.100	000	Base/Neutral & Acid Organics	EPA 625
111.103	000	Nitrosamines	EPA 625
111.103	000	Nitrosamines	EPA 625
111.170	000	Organochlorine Pesticides and PCBs	EPA 608
111.170	000	Organochlorine Pesticides and PCBs	EPA 608

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010B
114.010	001	Antimony	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B

114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	EPA 6010B
114.010	016	Zinc	EPA 6010B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020
114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196A
114.103	001	Chromium (VI)	EPA 7196A
114.106	001	Chromium (VI)	EPA 7199
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470A
114.140	001	Mercury	EPA 7470A
114.141	001	Mercury	EPA 7471A
114.141	001	Mercury	EPA 7471A
114.240	001	Corrosivity - pH Determination	EPA 9040B
114.241	001	Corrosivity - pH Determination	EPA 9045C

114.250	001	Fluoride	EPA 9056

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
115.021	001	TCLP Inorganics	EPA 1311
115.022	001	TCLP Extractables	EPA 1311
115.023	001	TCLP Volatiles	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.020	031	Ethanol and Methanol	EPA 8015B
116.030	001	Gasoline-range Organics	EPA 8015B
116.030	001	Gasoline-range Organics	EPA 8015B
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	120	Oxygenates	EPA 8260B
116.080	120	Oxygenates	EPA 8260B

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.110	000	Extractable Organics	EPA 8270C
117.110	000	Extractable Organics	EPA 8270C
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.140	000	Polynuclear Aromatic Hydrocarbons	EPA 8310
117.210	000	Organochlorine Pesticides	EPA 8081A
117.210	000	Pesticides & PCBs	EPA 8081A
117.220	000	PCBs	EPA 8082
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141A
117.240	000	Organophosphorus Pesticides	EPA 8141A
117.250	000	Chlorinated Herbicides	EPA 8151A
117.250	000	Chlorinated Herbicides	EPA 8151A
117.280	000	Carbamates	EPA 8321A

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.040	001	Reactive Cyanide	Section 7.3 SW-846
120.050	001	Reactive Sulfide	Section 7.3 SW-846
120.070	001	Corrosivity - pH Determination	EPA 9040B
120.080	001	Corrosivity - pH Determination	EPA 9045C
120.080	001	Corrosivity - pH Determination	EPA 9045C

Field of Testing: 126 - Microbiology of Recreational Water

126.010	001	Total Coliform (Enumeration)	SM9221B,C-2006
126.010	001	Total Coliform (Enumeration)	SM9221B,C
126.030	001	Fecal Coliform (Enumeration)	SM9221E-2006
126.030	001	Fecal Coliform (Enumeration)	SM9221B,E-2006
126.050	001	Total Coliform (Enumeration)	SM9223B (Colilert/Quanti-Tray)

126.050	001	Total Coliform (Enumeration)	SM9223B (Colilert/Quanti-Tray)
126.050	002	E. coli (Enumeration)	SM9223B (Colilert/Quanti-Tray)
126.050	002	E. coli (Enumeration)	SM9223B (Colilert/Quanti-Tray)
126.080	001	Enterococci	Enterolert
126.080	001	Enterococci	Enterolert

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January 28, 2019
Project No: 15-01587

Craig George
Environmental Sustainability Department Director
Building Official
City of Malibu
23825 Stuart Ranch Road
Malibu, California 90401

Subject: **Fourth Quarter 2018 Long-Term Groundwater and Surface Water Monitoring Report, Malibu Civic Center Wastewater Treatment Facility – City of Malibu, California**

Dear Mr. George:

Rincon Consultants, Inc. has prepared the Fourth Quarter 2018 Long-Term Groundwater and Surface Water Monitoring Report for the Malibu Civic Center Wastewater Treatment Facility (CCWTF) located in Malibu, California. The CCWTF began discharging treated wastewater in the third quarter of 2018. Therefore, Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring (Task II) was triggered and quarterly groundwater monitoring was conducted. The objective of the work program is to implement and manage a basin-wide groundwater and surface water monitoring and reporting program. The monitoring program has been designed to identify potential impacts as a result of land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

Please contact us with any questions you may have regarding the results of the Fourth Quarter 2018 Long-Term Groundwater and Surface Water Monitoring Report.

Sincerely,
Rincon Consultants, Inc.

PROFESSIONAL GEOLOGIST
TORIN R. SNYDER
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Kiernan Brtalik, CPSWQ, QSP/D
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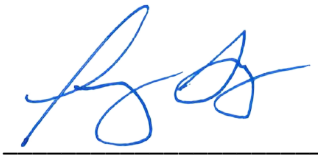
Principal

"I certify under penalty of law that this document, including all attachments and supplemental information, was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment."

Executed on the 29 day of January 2019 at Malibu City Hall



Signature

Environmental Sustainability Director
Title

Malibu Civic Center Wastewater Treatment Facility

Fourth Quarter 2018 Long-Term Groundwater and Surface Water Monitoring Report

prepared by

Rincon Consultants, Inc.

January 28, 2018

RINCON CONSULTANTS, INC.
Environmental Scientists | Planners | Engineers
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1 Introduction

This report presents the results of Fourth Quarter 2018 Long-Term Groundwater and Surface Water Monitoring activities for the Malibu Civic Center Wastewater Treatment Facility (CCWTF) located in the City of Malibu, California (Figure 1). The CCWTF began discharging treated wastewater in the third quarter of 2018. Therefore, Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring (Task II) was triggered and quarterly groundwater monitoring was conducted. The objective of the work program is to implement and manage a basin-wide groundwater and surface water monitoring and reporting program. The monitoring program has been designed to identify potential impacts as a result of land disposal of treated wastewater via injection and landscape irrigation or percolation on the receiving water quality of the local groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

This report was prepared by Rincon Consultants, Inc. (Rincon) and presents the geologic and hydrogeologic setting, groundwater elevations and gradient, surface water and groundwater sampling methodologies, and water quality data results.

2 Background

On-site wastewater disposal systems (OWDS) have allegedly contributed to the non-point source pollution of Malibu Creek and Lagoon located in the Civic Center Area of the City of Malibu. The City of Malibu has designed and constructed a new wastewater treatment facility to comply with regulatory actions taken by the Los Angeles Regional Water Quality Control Board (LARWQCB) and the State Water Resources Control Board (SWRCB) to prohibit discharges from OWDS in the Civic Center area.

To establish baseline groundwater and surface water quality conditions prior to operation and discharge of treated wastewater, the LARWQCB required basin-wide, baseline groundwater and surface water monitoring. The water quality monitoring program was driven by several factors:

- Timelines established through regulatory action
- Proposed programs to fulfill anticipated future regulatory requirements associated with the development of the CCWTF
- The distribution of Title 22 Recycled Water in the Prohibition area
- Protection of the Malibu Valley Groundwater Basin, Malibu Creek, Malibu Lagoon, and the near shore environment of Santa Monica Bay

Following completion of baseline monitoring activities (Task I) and CCWTF operations have commenced, long-term monitoring activities (Task II) has been triggered. The objective of long-term monitoring is to identify impacts that land disposal of recycled water, via injection and landscape irrigation or percolation, may have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon.

At this time, the basin-wide monitoring program consists of four of the original five water quality monitoring tasks that occur in the Civic Center area of the City of Malibu. All five monitoring tasks have been designed to build upon one another to provide a comprehensive basin-wide groundwater and surface water monitoring program. Below is a general description of each task and a discussion of key objectives.

Task I – Baseline Groundwater and Surface Water Quality Monitoring of the Civic Center Area *(Completed)*

The baseline groundwater and surface water quality monitoring task involved monitoring groundwater in nine (9) shallow and deep groundwater wells and monitoring surface water quality at ten (10) locations. The objective of this task's monitoring was to develop baseline, ambient shallow and deep groundwater, and surface water conditions prior to the implementation of the CCWTF, as required by the Monitoring and Reporting Program (MRP) No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task II – Long-Term Monitoring of Groundwater and Surface Water Quality Monitoring of the Civic Center Area

The long-term groundwater and surface water quality monitoring task involves monitoring groundwater in nine (9) shallow and deep groundwater wells and monitoring surface water quality at ten (10) locations. The objective of long-term monitoring is to identify impacts that land disposal of recycled water, via injection and landscape irrigation or percolation, will have on the water quality of the receiving groundwater aquifers, Santa Monica Bay, Malibu Creek, and Malibu Lagoon and to comply with the project-specific Waste Discharge Requirement (WDR). The mix of shallow and deeper monitoring wells will ensure adequate spatial and vertical coverage of the basin in the vicinity of the proposed CCWTF injection to be able to monitor for potential adverse impacts. The nine (9) groundwater monitoring wells and ten (10) surface water sampling locations identified in Task II are sampled on a quarterly basis once CCWTF operations commence. This sampling is required by the MRP No. CI 10042, issued by the LARWQCB (LARWQCB 2015).

Task III – Salt and Nutrient Management Plan Monitoring Program

The Salt and Nutrient Management Plan (SNMP) monitoring program branches off from the baseline and long-term groundwater and surface water monitoring programs described above (Tasks I and II). Task III involves performing semi-annual groundwater monitoring at sixteen (16) groundwater monitoring wells (mix of shallow and deep) located in the Civic Center area of the City and in a small area in the unincorporated portion of Los Angeles County. The objective of the SNMP is to monitor potential impacts that recycled water, introduced through irrigation and injection, may have on the Malibu Groundwater Basin. The SNMP also provides data to assess the various phases of the CCWTF implementation during the time that the collection system and treatment plant connections increase, and as OWDS-related discharges cease (RMC Water 2015a).

Task IV – Memorandum of Understanding Compliance Monitoring

Compliance with the Memorandum of Understanding (MOU) the City has with the LARWQCB corresponds with baseline and long-term groundwater and surface water monitoring programs described in Tasks I through III above. Task IV involves performing semi-annual monitoring at fourteen (14) groundwater wells located in the City's Civic Center area. The objective of the MOU is

to monitor for potential impacts to the Shallow Alluvium as a result of CCTWF implementation (LARWQCB 2014).

Task V – Civic Center Groundwater Elevation Monitoring Program

The groundwater elevation monitoring program assesses the groundwater elevations in the Malibu Groundwater Basin and in Winter Canyon. The objective of this task is to provide a better understanding of the groundwater elevation conditions in the Civic Center Area, including elevation trends related to precipitation, tidal, and lagoon influences (LARWQCB 2015).

3 Geologic and Hydrogeologic Setting

3.1 Hydrology

The project lies in the Los Angeles hydrologic region, as defined by the LARWQCB. The Los Angeles hydrologic region encompasses all coastal drainages flowing to the Pacific Ocean between Rincon Point and the eastern Los Angeles County line. The study area covers two watersheds: the Malibu Creek and Winter Canyon Creek watersheds. Most of the study area addressed in this report is located within the 109–square-mile Malibu Creek watershed, which is the second largest watershed draining to the Santa Monica Bay. The Malibu Creek watershed contains mostly undeveloped mountain areas, large-acreage residential properties, and many natural stream reaches (Los Angeles RWQCB 2011). Malibu Lagoon is located at the terminus of the Malibu Creek watershed. Malibu Lagoon is a brackish estuary of approximately 13 acres. However, it is one of only two remaining coastal marshes in Los Angeles County.

3.2 Geology

The study area is located within the Santa Monica Mountains in the northwestern corner of the Los Angeles basin. The study area lies at the juncture of the Peninsular Ranges geomorphic province, consisting of a northwest-oriented structural grain, and the Transverse Ranges geomorphic province, which features a predominantly east-west-oriented structural grain.

The 45-mile-long Santa Monica Mountains range is part of the southernmost portion of the western Transverse Ranges province. It forms an east-west range of low mountains along the southern California Coast from the Oxnard Plain to Los Angeles. The Santa Monica Mountain range is characterized by long, south-draining canyons on its south flank and short, north-draining canyons on its north flank. The Malibu Canyon and Winter Canyon are two significant canyons within the study area that drain to the south.

3.3 Hydrogeology

The Malibu Valley Groundwater Basin (DWR groundwater basin no. 4-22) is a small alluvial basin, approximately 613 acres in size. The groundwater basin is bounded by the Pacific Ocean on the south, and by the Santa Monica Mountains, composed of non-water-bearing Tertiary age rocks to the north, east, and west.

Water bearing geologic formations in the Malibu Valley Groundwater Basin are comprised of Holocene alluvium, consisting of clays, silts, sands, and gravels, overlying impermeable bedrock. The unconsolidated alluvium in the Civic Center area by Malibu Creek and other small drainages is estimated to range in thickness from a thin layer near the valley walls to around 175 feet in the central part of the main body of the alluvium. The alluvium can be subdivided into three categories or zones: 1) a shallow zone of permeable alluvial sediments, 2) underlain by a sequence of fine-grained estuarine deposits, and 3) an underlying coarse-grained stratum commonly referred to as the "Civic Center Gravels" (GeoSoils 1989, Leighton 1994, ECI 200, Ambrose and Orme 2000, Fugro West, Inc. 2005, Geosyntec Consultants 2007). Depth to groundwater in the alluvium is typically 5 to 13 feet below grade and is deeper in the upland canyon areas.

4 Activities Completed During the Fourth Quarter of 2018

The following activities were completed during the fourth quarter of 2018:

- Rincon measured depth to water in groundwater monitoring wells on October 4, November 5, and December 17, 2018.
- Rincon collected and analyzed surface water samples for WDR/MRP compliance on November 6 and December 19, 2018.
- Rincon collected and analyzed groundwater samples for WDR/MRP compliance on November 6, November 7, December 18, and December 19, 2018.

5 Groundwater Elevations and Gradients

Rincon mobilized to forty-six (46) groundwater monitoring wells to measure the depth to water using an electronic water level indicator on October 4, November 5, and December 17, 2018 (Table 1 and Appendix A). Of the forty-six (46) groundwater monitoring wells, two (2) of the wells were unable to be located (MBCMW-5 and MBCMW-6). Monitoring well GH8-M3 was not accessible during the October monitoring event and GH6-M1 was not accessible during the December monitoring event. GH9-M4 was reported to be buried and SMBRP-15B was reported as dry for all three monitoring events. Therefore, groundwater elevations could not be calculated in these groundwater monitoring wells.

5.1 Shallow Zone

The groundwater elevations ranged from 1.34 feet above mean sea level (amsl) in CCPE to 19.59 feet amsl in SMBRP-8 (Table 1). Groundwater elevations during the fourth quarter of 2018 decreased in approximately half of all shallow groundwater monitoring wells from October to December.

Groundwater elevations decreased a maximum of 5.98 feet amsl in CCPE and increased a maximum of 1.25 feet amsl in SMBRP-16 from October to December. The predominant direction of groundwater flow ranged from southeast to south-southeast, towards the coastline. Elevation data and flow direction are depicted in Figures 3 through 5.

The shallow groundwater gradient was 0.0030 feet/foot, 0.0035 feet/foot, and 0.0036 feet/foot (calculated using groundwater monitoring wells SMBRP-2, SMBRP-9, and SMBRP-12) during the October, November, and December monitoring events, respectively.

5.2 Deep Zone

The groundwater elevations ranged from 4.66 feet amsl in MCWP-MW07D to 10.47 feet amsl in MCWP-MW09 (Table 1). Groundwater elevations decreased in all groundwater monitoring wells when comparing monthly groundwater elevations between October and December 2018 and increased in six (6) out of eight (8) groundwater monitoring wells when comparing monthly groundwater elevations between October and November 2018. Groundwater elevations decreased a maximum of 2.07 feet amsl in MCWP-MW02 from October to December and increased a maximum of 1.25 feet amsl in MCWP-MW09 from October to November.

5.3 Winter Canyon

The groundwater elevations ranged from 9.85 feet amsl in SMBRP-11 to 52.62 feet amsl in LAMW-5S (Table 1). Groundwater elevation increased 0.30 feet amsl in SMBRP-11 and increased 0.99 feet amsl in LAMW-5S when comparing monthly groundwater elevations between October and December 2018.

6 Water Quality Sampling Analysis

The surface water and groundwater samples were transported under chain-of-custody documentation to Enthalpy Analytical (Enthalpy), a California-accredited laboratory located in Orange, California. All surface water and groundwater monitoring locations and corresponding laboratory analyses are shown in the Groundwater and Surface Water Analytical Matrix (Table 2). The laboratory analytical results for the Fourth Quarter 2018 monitoring event are shown in Table 3 and Table 4. Laboratory reports are included as Appendix B of this report.

Due to issues with the test media, fecal coliform results were unreportable in samples collected during the surface water and groundwater sampling event conducted on November 6 and 7, 2018 (see Section 6.3). Total coliform results are also not reported for the November 6 and 7, 2018 sampling event, as these results may have also been impacted by the analytical process. Therefore, all surface water monitoring locations and groundwater monitoring wells were resampled on December 18 and 19, 2018, and included all analyses that can potentially impact fecal and total coliform culturable colonies. The analytical results reported below include concentrations from both sampling events, except for total and fecal coliform.

6.1 Surface Water

6.1.1 Sampling Methodology

A total of ten (10) surface water samples were collected on November 6 and December 19, 2018. Four (4) ocean water samples were collected from the near shore area along Malibu Road (N-001 through N-004) and six (6) surface water samples were collected from the Malibu Lagoon and Creek (L-001 through L-006). The near shore ocean water samples were collected from each location at a depth of approximately 3-6 inches (ankle deep). Surface water samples from Malibu Lagoon and Creek were collected from each location at a depth of approximately twelve inches below the surface of the water.

All surface water samples were collected up-current of the sampling person's body to minimize potential contamination of the surface water samples with bacteria originating from field personnel. Surface water samples were collected directly into lab-supplied containers when possible, or into a field sampling container and then transferred into preserved and non-preserved containers supplied by Enthalpy. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in a cooler and delivered via courier to Enthalpy.

6.1.2 Laboratory Analyses

Total Coliform

All total coliform concentrations in the near shore surface water and in Malibu Lagoon and Creek surface water were reported at or above the laboratory upper detection of 2,400 Most Probable Number per 100 milliliters (MPN/100 mL).

Fecal Coliform

All fecal coliform concentrations in surface water samples collected at the near shore were reported below the reporting limit of 1.0 MPN/100mL, except for N-003 (9.6 MPN/100mL).

Fecal coliform concentrations in samples collected at the Malibu Lagoon and Creek surface water ranged from 41 MPN/100 mL at L-001 to 1,700 MPN/100 mL at L-006 with an average concentration of 378 MPN/100 mL.

Nitrogen

Nitrate as Nitrogen

Nitrate as nitrogen concentrations in surface water samples collected at the near shore ranged from 0.11 milligrams per liter (mg/L) at N-003 to 0.16 mg/L at N-001. Nitrate as nitrogen concentrations in the Malibu Lagoon and Creek surface water ranged from 0.11 mg/L at L-006 to 3.17 mg/L at L-001. An average concentration of 1.50 mg/L was calculated for all surface water samples collected from Malibu Lagoon and Creek.[1]

[1] A value half of the reporting detection limit (RDL) was used to calculate the average for nitrate as nitrogen results below the RDL

Other Forms of Nitrogen

All nitrite as nitrogen concentrations in surface water samples collected at the near shore and Malibu Lagoon and Creek sampling locations were not detected above the reporting detection limit (RDL; reporting limit), which ranged from 0.1 to 5.0 mg/L.

Organic nitrogen concentrations in surface water samples collected at the near shore sampling locations during the Fourth Quarter 2018 monitoring event were not detected above the reporting limit of 0.5 mg/L, except for N-004 (1.40 mg/L).

Organic nitrogen concentrations detected in samples collected at the Malibu Lagoon and Creek sampling locations ranged from 0.56 mg/L at L-003 to 1.8 mg/L at L-006. An average concentration of 0.95 mg/L was calculated for all surface water samples collected from Malibu Lagoon and Creek.[2]

Ammonia (NH_3^+) is the primary form of nitrogen in OWDS effluent, and it is converted to nitrate during the leaching process through the vadose zone (Figure 6). Ammonia (as nitrogen) in surface water samples was detected at N-002 and N-003 at concentrations of 5.47 mg/L and 0.466 mg/L, respectively.

Total Kjeldahl Nitrogen (TKN) concentrations in surface water samples collected at the near shore sampling locations during the Fourth Quarter 2018 monitoring event were not detected above the reporting limit of 0.4 mg/L, except for N-004 (1.40 mg/L). TKN concentrations in the Malibu Lagoon and Creek sampling locations ranged from 0.567 mg/L at L-004 to 1.8 mg/L at L-006.

Total Phosphorous

Total phosphorus was detected in all surface water samples collected at the near shore sampling locations during the Fourth Quarter 2018 sampling event, ranging from 0.031 mg/L at N-002 to 0.40 mg/L at N-004. Total phosphorus was also detected above the reporting limit in all the Malibu Lagoon and Creek sampling locations, ranging from 0.085 mg/L at L-004 to 985 mg/L at L-002.

6.2 Groundwater

6.2.1 Sampling Methodology

On November 6, November 7, December 18, and December 19, 2018, a total of nine (9) groundwater monitoring wells were sampled during each event in the fourth quarter of 2018. Prior to sampling, a minimum of three (3) casing volumes were purged from each well using a submersible pump. Purging stopped when consecutive water quality measurements (temperature, electrical conductivity, and pH) varied by less than 10 percent or until the well purged dry, which ever occurred first. Field equipment was decontaminated between each well. Purged groundwater and decontamination water was stored in a 500-gallon high-density polyethylene tank during field activities, and properly disposed at the CCWTF.

Once each well was purged, groundwater samples were collected using preserved and non-preserved containers supplied by Enthalpy. The containers were capped, labeled, placed in Ziploc bags, and stored on ice in coolers pending delivery to Enthalpy. Field data are included in Appendix A.

[2] A value half of the reporting detection limit (RDL) was used to calculate the average for organic nitrogen results below the RDL

6.2.2 Laboratory Analyses

Total Coliform

During the Fourth Quarter 2018 monitoring event, total coliform concentrations in groundwater well samples ranged from 11 MPN/100 mL to greater than 2,400 MPN/100 mL in four wells with an average concentration of 1,255 MPN/100 mL.[3]

Fecal Coliform

Fecal coliform concentrations in groundwater monitoring well samples ranged from 1.0 MPN/100 mL at MCWP-MW04D to 140 MPN/100 mL at MCWP-MW07D with an average concentration of 17.2 MPN/100 mL.[4]

Nitrogen

Nitrate as Nitrogen

During the Fourth Quarter 2018 monitoring event, nitrate as nitrogen in groundwater monitoring well samples ranged from 0.11 mg/L at SMBRP-12 to 16.5 mg/L at SMBRP-11 with an average concentration of 4.78 mg/L.[5] Samples collected at groundwater monitoring wells SMBRP-12 and SMBRP-11 had the highest detected nitrate as nitrogen concentrations at 16.1 mg/L and 16.5 mg/L, respectively.

Other forms of Nitrogen

During the Fourth Quarter 2018 monitoring event, nitrite as nitrogen concentrations in groundwater monitoring well samples ranged from 0.11 mg/L at MCWP-MW07 to 1.58 mg/L at MCWP-MW-4S. Organic nitrogen concentrations were detected above the reporting limit of 0.5 mg/L in three groundwater monitoring wells, ranging from 0.52 mg/L in SMBRP-12 to 0.80 mg/L in SMBRP-11.

Ammonia (as nitrogen) concentrations were detected in four groundwater monitoring wells, ranging from 0.241 mg/L at LAMW-5S to 4.88 mg/L at SMBRP-12.

TKN concentrations were detected in four groundwater monitoring wells, ranging 0.402 mg/L at MCWP-MW07D to 5.40 mg/L at SMBRP-12 with an average concentration of 0.931 mg/L.[6]

Total Phosphorous

During the Fourth Quarter 2018 monitoring event, total phosphorus concentrations in groundwater samples analyzed ranged from 0.031 mg/L at SMBRP-11 to 1.775 mg/L at LAMW-5S with an average concentration of 0.418 mg/L.

[3] The upper detection limit value (2,400 MPN/100 mL) was used for results that exceeded the upper detection limit to calculate the average total coliform concentration.

[4] A value half of the reporting detection limit (RDL) was used to calculate the average for fecal coliform results below the RDL

[5] A value half of the reporting detection limit (RDL) was used to calculate the average for nitrate as nitrogen results below the RDL

[6] A value half of the reporting detection limit (RDL) was used to calculate the average for TKN results below the RDL

Total Dissolved Solids

Total dissolved solids (TDS) concentrations in groundwater samples analyzed during the fourth quarter of 2018 ranged from 134 mg/L at MCWP-MW07D to 5,820 mg/L at MCWP-MW04S with an average concentration of 1,856 mg/L.

6.3 Analytical Laboratory QA/QC

Enthalpy performed quality assurance/quality control (QA/QC) measures including the recovery of surrogates. Enthalpy followed all QA/QC procedures per method requirements. Any exceedances are indicated in the Case Narrative of the analytical laboratory report. The Notes column of the analytical reports also has the QC flags. Definitions for the QC flags are below the analytical tables.

Enthalpy alerted Rincon on November 12, 2018 that the fecal coliform results for samples collected during the first sampling events for surface water (November 6, 2018) and groundwater (November 6 and 7, 2018) were unreportable due to issues with the test media. Therefore, all surface water monitoring locations and groundwater monitoring wells were resampled on December 18 and 19, 2018.

7 Scheduled Activities for the First Quarter of 2019

The following activities will be completed during the first quarter of 2019:

- Prepare and submit the Fourth Quarter 2018 and Annual Long-Term Groundwater and Surface Water Monitoring Reports to the LARWQCB.
- Rincon will collect and analyze groundwater and surface water samples for MRP compliance (Task II), as well as SNMP and MOU compliance (Tasks III and IV).
- Rincon will measure depth to water in the groundwater monitoring wells in January, February, and March 2019 (Task V).

8 Summary of Monitoring Activities

8.1 Groundwater Elevations

Groundwater elevations generally decreased in half of the shallow groundwater monitoring wells during the fourth quarter of 2018. Deep groundwater monitoring well elevations decreased between October and December 2018 and generally increased between October and November 2018. At Winter Canyon, monitoring wells LAMW-5S and SMBRP-11 increased between October and December 2018. Shallow groundwater generally flows southeast to south, towards the coastline.

8.2 Surface Water Quality

When comparing coliform bacteria results from the Fourth Quarter 2018 surface water monitoring event to past quarters, increased concentrations of total coliform were observed at the surface water sampling locations. Only one (1) detection of fecal coliform was observed at the near shore sampling locations (N-003). At the Malibu Lagoon and Creek sampling locations, a general increase in fecal coliform was observed when compared to the third quarter of 2018.

Low concentrations of the various types of nitrogen were observed at the near shore locations, where all types of nitrogen not detected above their respective reporting limits during the third quarter of 2018. In Malibu Lagoon and Creek, low concentrations of nitrate as nitrogen, organic nitrogen, and TKN were detected at all sampling locations, as well as ammonia as nitrogen in two locations.

8.3 Groundwater Quality

A total of nine (9) groundwater monitoring wells were sampled during the fourth quarter of 2018 as part of the WDR/MRP monitoring program. Total coliform concentrations in groundwater monitoring well samples exceeded the upper limit concentration of 2,400 MPN/100 mL at four (4) groundwater monitoring locations. This was an increase from the third quarter of 2018, where one monitoring location exceeded the upper limit concentration. However, total coliform concentrations decreased in three (3) locations. Concentrations for total coliform at groundwater monitoring well SMBRP-9 decreased from greater than 4,800 MPN/100mL to 360 MPN/100mL. Low concentrations of fecal coliform concentrations were detected above the reporting limit of 2.0 MPN/100mL in samples collected at six of the groundwater monitoring wells. The concentration of fecal coliform at groundwater monitoring well MCWP-MW07D increased to 140 MPN/100 mL.

Nitrate as nitrogen concentrations were detected above the reporting limit of 0.1 mg/L in groundwater samples collected at all monitoring well locations. Groundwater monitoring wells SMBRP-11 and LAMW-5S had the highest detected nitrate as nitrogen concentrations of 16.1 mg/L and 13.0 mg/L, respectively.

TDS concentrations in groundwater samples analyzed during the fourth quarter of 2018 ranged from 134 mg/L at MCWP-MW07D to 5,820 mg/L at MCWP-MW04S with an average concentration of 1,856 mg/L. This is a decrease from an average concentration of 2,377 mg/L during the third quarter of 2018. Apart from monitoring well SMBRP-12, TDS concentrations decreased in all the groundwater monitoring wells when compared to concentrations from the third quarter of 2018.

9 Limitations

This report has been prepared for and is intended for the exclusive use of the City of Malibu. The contents of this report should not be relied upon by any other party without the written consent of Rincon Consultants, Inc.

Our conclusions regarding the site are based on observations of existing site conditions, our interpretation of site usage information, and the results of a limited subsurface sampling and

chemical testing program. The concentrations of contaminants measured at any given location may not be representative of conditions at other locations intermediate to the locations sampled. Furthermore, conditions may change at any particular location as a function of time in response to natural conditions, chemical reactions, and other events. Conclusions regarding the condition of the site do not represent a warranty that all areas within the site are similar to those sampled.

10 References

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RMC Water. 2015b. Draft Groundwater Management Plan Malibu Valley Groundwater Basin.

Tables

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
C-1	8/24/2015	11.47	N/A	-
C-1	9/21/2015	11.47	N/A	-
C-1	10/20/2015	11.47	N/A	-
C-1	11/16/2015	11.47	5.07	6.40
C-1	12/14/2015	11.47	4.12	7.35
C-1	1/14/2016	11.47	6.65	4.82
C-1	2/16/2016	11.47	6.65	4.82
C-1	3/14/2016	11.47	6.80	4.67
C-1	4/25/2016	11.47	5.72	5.75
C-1	5/16/2016	11.47	4.59	6.88
C-1	6/17/2016	11.47	4.72	6.75
C-1	7/20/2016	11.47	5.32	6.15
C-1	8/20/2016	11.47	5.42	6.05
C-1	9/19/2016	11.47	5.47	6.00
C-1	10/21/2016	11.47	5.64	5.83
C-1	11/18/2016	11.47	4.71	6.76
C-1	12/19/2016	11.47	6.75	4.72
C-1	1/17/2017	11.47	6.89	4.58
C-1	2/24/2017	11.47	7.28	4.19
C-1	3/27/2017	11.47	6.66	4.81
C-1	4/17/2017	11.47	7.32	4.15
C-1	5/22/2017	11.47	6.74	4.73
C-1	6/20/2017	11.47	4.49	6.98
C-1	7/28/2017	11.47	4.51	6.96
C-1	8/25/2017	11.47	4.61	6.86
C-1	9/11/2017	11.47	4.96	6.51
C-1	10/16/2017	11.47	5.13	6.34
C-1	11/15/2017	11.47	5.32	6.15
C-1	12/11/2017	11.47	7.70	3.77
C-1	1/22/2018	11.47	6.63	4.84
C-1	2/14/2018	11.47	6.42	5.05
C-1	3/19/2018	11.47	6.86	4.61
C-1	4/23/2018	11.47	6.10	5.37
C-1	5/10/2018	11.47	4.98	6.49
C-1	6/19/2018	11.47	4.05	7.42
C-1	7/10/2018	11.47	4.59	6.88
C-1	8/20/2018	11.47	5.04	6.43
C-1	9/17/2018	11.47	5.20	6.27
C-1	10/4/2018	11.47	5.29	6.18
C-1	11/5/2018	11.47	5.26	6.21
C-1	12/17/2018	11.47	7.45	4.02

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
C-2	8/24/2015	11.19	5.11	6.08
C-2	9/21/2015	11.19	4.92	6.27
C-2	10/20/2015	11.19	5.18	6.01
C-2	11/16/2015	11.19	4.96	6.23
C-2	12/14/2015	11.19	3.93	7.26
C-2	1/14/2016	11.19	6.44	4.75
C-2	2/16/2016	11.19	6.34	4.85
C-2	3/14/2016	11.19	6.50	4.69
C-2	4/25/2016	11.19	5.54	5.65
C-2	5/16/2016	11.19	4.49	6.70
C-2	6/17/2016	11.19	4.62	6.57
C-2	7/20/2016	11.19	5.16	6.03
C-2	8/20/2016	11.19	5.25	5.94
C-2	9/19/2016	11.19	5.21	5.98
C-2	10/21/2016	11.19	5.46	5.73
C-2	11/18/2016	11.19	4.48	6.71
C-2	12/19/2016	11.19	6.74	4.45
C-2	1/17/2017	11.19	6.51	4.68
C-2	2/24/2017	11.19	6.84	4.35
C-2	3/27/2017	11.19	6.55	4.64
C-2	4/17/2017	11.19	7.05	4.14
C-2	5/22/2017	11.19	6.54	4.65
C-2	6/20/2017	11.19	3.81	7.38
C-2	7/28/2017	11.19	4.37	6.82
C-2	8/25/2017	11.19	4.57	6.62
C-2	9/11/2017	11.19	4.86	6.33
C-2	10/16/2017	11.19	4.95	6.24
C-2	11/15/2017	11.19	5.04	6.15
C-2	12/11/2017	11.19	7.46	3.73
C-2	1/22/2018	11.19	6.68	4.51
C-2	2/14/2018	11.19	6.29	4.90
C-2	3/19/2018	11.19	6.57	4.62
C-2	4/23/2018	11.19	6.01	5.18
C-2	5/10/2018	11.19	4.84	6.35
C-2	6/19/2018	11.19	3.91	7.28
C-2	7/10/2018	11.19	4.50	6.69
C-2	8/20/2018	11.19	4.91	6.28
C-2	9/17/2018	11.19	5.06	6.13
C-2	10/4/2018	11.19	5.18	6.01
C-2	11/5/2018	11.19	5.20	5.99
C-2	12/17/2018	11.19	7.17	4.02

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
CCPE	8/24/2015	12.94	5.76	7.18
CCPE	9/21/2015	12.94	5.61	7.33
CCPE	10/20/2015	12.94	5.87	7.07
CCPE	11/16/2015	12.94	5.79	7.15
CCPE	12/14/2015	12.94	4.52	8.42
CCPE	1/14/2016	12.94	7.95	4.99
CCPE	2/16/2016	12.94	8.27	4.67
CCPE	3/14/2016	12.94	8.35	4.59
CCPE	4/25/2016	12.94	7.13	5.81
CCPE	5/16/2016	12.94	5.72	7.22
CCPE	6/17/2016	12.94	6.54	6.40
CCPE	7/20/2016	12.94	6.09	6.85
CCPE	8/20/2016	12.94	6.43	6.51
CCPE	9/19/2016	12.94	6.80	6.14
CCPE	10/21/2016	12.94	6.67	6.27
CCPE	11/18/2016	12.94	5.61	7.33
CCPE	12/19/2016	12.94	11.63	1.31
CCPE	1/17/2017	12.94	8.38	4.56
CCPE	2/24/2017	12.94	8.67	4.27
CCPE	3/27/2017	12.94	8.21	4.73
CCPE	4/17/2017	12.94	8.90	4.04
CCPE	5/22/2017	12.94	8.25	4.69
CCPE	6/20/2017	12.94	5.73	7.21
CCPE	7/28/2017	12.94	5.47	7.47
CCPE	8/25/2017	12.94	5.68	7.26
CCPE	9/11/2017	12.94	6.00	6.94
CCPE	10/16/2017	12.94	5.60	7.34
CCPE	11/15/2017	12.94	5.82	7.12
CCPE	12/11/2017	12.94	8.70	4.24
CCPE	1/22/2018	12.94	10.67	2.27
CCPE	2/14/2018	12.94	7.50	5.44
CCPE	3/19/2018	12.94	8.06	4.88
CCPE	4/23/2018	12.94	6.24	6.70
CCPE	5/10/2018	12.94	5.86	7.08
CCPE	6/19/2018	12.94	4.96	7.98
CCPE	7/10/2018	12.94	5.40	7.54
CCPE	8/20/2018	12.94	5.45	7.49
CCPE	9/17/2018	12.94	5.49	7.45
CCPE	10/4/2018	12.94	5.66	7.28
CCPE	11/5/2018	12.94	5.62	7.32
CCPE	12/17/2018	12.94	11.60	1.34

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
CCPNE	8/24/2015	13.68	6.44	7.24
CCPNE	9/21/2015	13.68	6.27	7.41
CCPNE	10/20/2015	13.68	6.54	7.14
CCPNE	11/16/2015	13.68	6.74	6.94
CCPNE	12/14/2015	13.68	5.28	8.40
CCPNE	1/14/2016	13.68	8.51	5.17
CCPNE	2/16/2016	13.68	8.65	5.03
CCPNE	3/14/2016	13.68	8.65	5.03
CCPNE	4/25/2016	13.68	7.79	5.89
CCPNE	5/16/2016	13.68	6.39	7.29
CCPNE	6/17/2016	13.68	5.83	7.85
CCPNE	7/20/2016	13.68	6.79	6.89
CCPNE	8/20/2016	13.68	7.16	6.52
CCPNE	9/19/2016	13.68	7.52	6.16
CCPNE	10/21/2016	13.68	7.40	6.28
CCPNE	11/18/2016	13.68	6.32	7.36
CCPNE	12/19/2016	13.68	8.82	4.86
CCPNE	1/17/2017	13.68	8.66	5.02
CCPNE	2/24/2017	13.68	8.80	4.88
CCPNE	3/27/2017	13.68	9.37	4.31
CCPNE	4/17/2017	13.68	9.16	4.52
CCPNE	5/22/2017	13.68	8.97	4.71
CCPNE	6/20/2017	13.68	6.63	7.05
CCPNE	7/28/2017	13.68	6.26	7.42
CCPNE	8/25/2017	13.68	6.51	7.17
CCPNE	9/11/2017	13.68	6.81	6.87
CCPNE	10/16/2017	13.68	6.58	7.10
CCPNE	11/15/2017	13.68	6.52	7.16
CCPNE	12/11/2017	13.68	9.14	4.54
CCPNE	1/22/2018	13.68	8.53	5.15
CCPNE	2/14/2018	13.68	8.13	5.55
CCPNE	3/20/2018	13.68	8.52	5.16
CCPNE	4/23/2018	13.68	7.87	5.81
CCPNE	5/10/2018	13.68	6.54	7.14
CCPNE	6/19/2018	13.68	5.69	7.99
CCPNE	7/10/2018	13.68	6.10	7.58
CCPNE	8/20/2018	13.68	6.13	7.55
CCPNE	9/17/2018	13.68	6.17	7.51
CCPNE	10/4/2018	13.68	6.45	7.23
CCPNE	11/5/2018	13.68	6.30	7.38
CCPNE	12/17/2018	13.68	9.19	4.49

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
CCPSW	8/24/2015	13.67	6.29	7.38
CCPSW	9/21/2015	13.67	6.09	7.58
CCPSW	10/20/2015	13.67	6.35	7.32
CCPSW	11/16/2015	13.67	6.24	7.43
CCPSW	12/14/2015	13.67	5.27	8.40
CCPSW	1/14/2016	13.67	8.22	5.45
CCPSW	2/16/2016	13.67	8.11	5.56
CCPSW	3/14/2016	13.67	8.05	5.62
CCPSW	4/25/2016	13.67	7.50	6.17
CCPSW	5/16/2016	13.67	6.18	7.49
CCPSW	6/17/2016	13.67	6.26	7.41
CCPSW	7/20/2016	13.67	6.60	7.07
CCPSW	8/20/2016	13.67	6.92	6.75
CCPSW	9/19/2016	13.67	7.28	6.39
CCPSW	10/21/2016	13.67	7.17	6.50
CCPSW	11/18/2016	13.67	6.22	7.45
CCPSW	12/19/2016	13.67	8.34	5.33
CCPSW	1/17/2017	13.67	8.03	5.64
CCPSW	2/24/2017	13.67	8.27	5.40
CCPSW	3/27/2017	13.67	9.32	4.35
CCPSW	4/17/2017	13.67	8.64	5.03
CCPSW	5/22/2017	13.67	8.86	4.81
CCPSW	6/20/2017	13.67	6.59	7.08
CCPSW	7/28/2017	13.67	6.17	7.50
CCPSW	8/25/2017	13.67	6.47	7.20
CCPSW	9/11/2017	13.67	6.76	6.91
CCPSW	10/16/2017	13.67	6.38	7.29
CCPSW	11/15/2017	13.67	6.36	7.31
CCPSW	12/11/2017	13.67	8.65	5.02
CCPSW	1/22/2018	13.67	8.15	5.52
CCPSW	2/14/2018	13.67	8.05	5.62
CCPSW	3/19/2018	13.67	8.15	5.52
CCPSW	4/23/2018	13.67	7.68	5.99
CCPSW	5/10/2018	13.67	6.36	7.31
CCPSW	6/19/2018	13.67	5.51	8.16
CCPSW	7/10/2018	13.67	6.01	7.66
CCPSW	8/20/2018	13.67	6.01	7.66
CCPSW	9/17/2018	13.67	6.09	7.58
CCPSW	10/4/2018	13.67	6.21	7.46
CCPSW	11/5/2018	13.67	6.19	7.48
CCPSW	12/17/2018	13.67	8.60	5.07

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
CCW-4	8/24/2015	15.77	6.50	9.27
CCW-4	9/21/2015	15.77	6.71	9.06
CCW-4	10/20/2015	15.77	6.90	8.87
CCW-4	11/16/2015	15.77	7.02	8.75
CCW-4	12/14/2015	15.77	7.05	8.72
CCW-4	1/14/2016	15.77	6.19	9.58
CCW-4	2/16/2016	15.77	6.17	9.60
CCW-4	3/14/2016	15.77	5.72	10.05
CCW-4	4/25/2016	15.77	5.28	10.49
CCW-4	5/16/2016	15.77	6.45	9.32
CCW-4	6/17/2016	15.77	6.70	9.07
CCW-4	7/20/2016	15.77	7.07	8.70
CCW-4	8/20/2016	15.77	7.33	8.44
CCW-4	9/19/2016	15.77	7.56	8.21
CCW-4	10/21/2016	15.77	7.68	8.09
CCW-4	11/18/2016	15.77	7.84	7.93
CCW-4	12/19/2016	15.77	7.09	8.68
CCW-4	1/17/2017	15.77	4.97	10.80
CCW-4	2/24/2017	15.77	2.04	13.73
CCW-4	3/27/2017	15.77	2.92	12.85
CCW-4	4/17/2017	15.77	5.30	10.47
CCW-4	5/22/2017	15.77	5.72	10.05
CCW-4	6/20/2017	15.77	6.27	9.50
CCW-4	7/28/2017	15.77	7.30	8.47
CCW-4	8/25/2017	15.77	7.74	8.03
CCW-4	9/11/2017	15.77	7.76	8.01
CCW-4	10/16/2017	15.77	6.99	8.78
CCW-4	11/15/2017	15.77	6.43	9.34
CCW-4	12/11/2017	15.77	6.36	9.41
CCW-4	1/22/2018	15.77	6.04	9.73
CCW-4	2/14/2018	15.77	6.04	9.73
CCW-4	3/19/2018	15.77	5.45	10.32
CCW-4	4/23/2018	15.77	5.40	10.37
CCW-4	5/10/2018	15.77	5.44	10.33
CCW-4	6/19/2018	15.77	5.67	10.10
CCW-4	7/10/2018	15.77	6.21	9.56
CCW-4	8/20/2018	15.77	6.65	9.12
CCW-4	9/17/2018	15.77	6.83	8.94
CCW-4	10/4/2018	15.77	6.93	8.84
CCW-4	11/5/2018	15.77	7.00	8.77
CCW-4	12/17/2018	15.77	6.19	9.58

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
GH6-M1	8/24/2015	-	28.92	-
GH6-M1	9/21/2015	-	29.11	-
GH6-M1	10/20/2015	-	29.24	-
GH6-M1	11/16/2015	-	29.32	-
GH6-M1	12/14/2015	-	29.43	-
GH6-M1	1/14/2016	-	29.43	-
GH6-M1	2/16/2016	-	29.56	-
GH6-M1	3/14/2016	-	29.44	-
GH6-M1	4/25/2016	-	29.46	-
GH6-M1	5/16/2016	-	29.35	-
GH6-M1	6/17/2016	-	29.20	-
GH6-M1	7/20/2016	-	29.49	-
GH6-M1	8/20/2016	-	29.58	-
GH6-M1	9/19/2016	-	29.69	-
GH6-M1	10/21/2016	-	29.85	-
GH6-M1	11/18/2016	-	29.95	-
GH6-M1	12/19/2016	-	30.05	-
GH6-M1	1/17/2017	-	29.90	-
GH6-M1	2/24/2017	-	28.74	-
GH6-M1	3/27/2017	-	27.63	-
GH6-M1	4/17/2017	-	26.91	-
GH6-M1	5/22/2017	-	26.16	-
GH6-M1	6/20/2017	-	26.13	-
GH6-M1	7/28/2017	-	26.36	-
GH6-M1	8/25/2017	-	26.61	-
GH6-M1	9/11/2017	-	26.81	-
GH6-M1	10/16/2017	-	27.13	-
GH6-M1	11/15/2017	-	27.30	-
GH6-M1	12/11/2017	-	27.51	-
GH6-M1	1/22/2018	-	27.83	-
GH6-M1	2/14/2018	-	27.98	-
GH6-M1	3/19/2018	-	28.10	-
GH6-M1	4/23/2018	-	27.76	-
GH6-M1	5/10/2018	-	27.65	-
GH6-M1	6/19/2018	-	27.72	-
GH6-M1	7/10/2018	-	27.80	-
GH6-M1	8/20/2018	-	27.94	-
GH6-M1	9/17/2018	-	28.16	-
GH6-M1	10/4/2018	-	28.42	-
GH6-M1	11/5/2018	-	28.63	-
GH6-M1	12/17/2018	-	N/A	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
GH8-M3	8/24/2015	-	28.37	-
GH8-M3	9/21/2015	-	28.54	-
GH8-M3	10/20/2015	-	28.69	-
GH8-M3	11/16/2015	-	28.75	-
GH8-M3	12/14/2015	-	28.78	-
GH8-M3	1/14/2016	-	28.92	-
GH8-M3	2/16/2016	-	28.96	-
GH8-M3	3/14/2016	-	28.79	-
GH8-M3	4/25/2016	-	28.78	-
GH8-M3	5/16/2016	-	28.63	-
GH8-M3	6/17/2016	-	28.67	-
GH8-M3	7/20/2016	-	28.90	-
GH8-M3	8/20/2016	-	29.08	-
GH8-M3	9/19/2016	-	29.19	-
GH8-M3	10/21/2016	-	29.36	-
GH8-M3	11/18/2016	-	29.36	-
GH8-M3	12/19/2016	-	29.44	-
GH8-M3	1/17/2017	-	29.27	-
GH8-M3	2/24/2017	-	27.80	-
GH8-M3	3/27/2017	-	26.22	-
GH8-M3	4/17/2017	-	25.44	-
GH8-M3	5/22/2017	-	25.13	-
GH8-M3	6/20/2017	-	25.38	-
GH8-M3	7/28/2017	-	25.84	-
GH8-M3	8/25/2017	-	26.13	-
GH8-M3	9/11/2017	-	26.33	-
GH8-M3	10/16/2017	-	26.63	-
GH8-M3	11/15/2017	-	26.77	-
GH8-M3	12/11/2017	-	27.13	-
GH8-M3	1/22/2018	-	27.44	-
GH8-M3	2/14/2018	-	27.55	-
GH8-M3	3/19/2018	-	27.68	-
GH8-M3	4/23/2018	-	27.14	-
GH8-M3	5/10/2018	-	27.08	-
GH8-M3	6/19/2018	-	27.13	-
GH8-M3	7/10/2018	-	27.20	-
GH8-M3	8/20/2018	-	26.72	-
GH8-M3	9/17/2018	-	27.76	-
GH8-M3	10/4/2018	-	N/A	-
GH8-M3	11/5/2018	-	28.20	-
GH8-M3	12/17/2018	-	28.17	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
GH9-M4	8/24/2015	-	30.31	-
GH9-M4	9/21/2015	-	30.54	-
GH9-M4	10/20/2015	-	30.66	-
GH9-M4	11/16/2015	-	30.75	-
GH9-M4	12/14/2015	-	30.86	-
GH9-M4	1/14/2016	-	34.54	-
GH9-M4	2/16/2016	-	31.12	-
GH9-M4	3/14/2016	-	31.07	-
GH9-M4	4/25/2016	-	34.32	-
GH9-M4	5/16/2016	-	32.80	-
GH9-M4	6/17/2016	-	30.56	-
GH9-M4	7/20/2016	-	30.90	-
GH9-M4	8/20/2016	-	31.09	-
GH9-M4	9/19/2016	-	31.18	-
GH9-M4	10/21/2016	-	31.29	-
GH9-M4	11/18/2016	-	30.87	-
GH9-M4	12/19/2016	-	31.11	-
GH9-M4	1/17/2017	-	30.79	-
GH9-M4	2/24/2017	-	30.53	-
GH9-M4	3/27/2017	-	24.94	-
GH9-M4	4/17/2017	-	24.79	-
GH9-M4	5/22/2017	-	29.08	-
GH9-M4	6/20/2017	-	26.30	-
GH9-M4	7/28/2017	-	27.14	-
GH9-M4	8/25/2017	-	27.57	-
GH9-M4	9/11/2017	-	27.67	-
GH9-M4	10/16/2017	-	27.92	-
GH9-M4	11/15/2017	-	28.27	-
GH9-M4	12/11/2017	-	28.70	-
GH9-M4	1/22/2018	-	29.23	-
GH9-M4	2/14/2018	-	27.73	-
GH9-M4	3/19/2018	-	29.62	-
GH9-M4	4/23/2018	-	29.12	-
GH9-M4	5/10/2018	-	29.07	-
GH9-M4	6/19/2018	-	29.09	-
GH9-M4	7/10/2018	-	29.20	-
GH9-M4	8/20/2018	-	29.50	-
GH9-M4	9/17/2018	-	Buried	-
GH9-M4	10/4/2018	-	Buried	-
GH9-M4	11/5/2018	-	Buried	-
GH9-M4	12/17/2018	-	Buried	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
M6-1	8/24/2015	-	6.61	-
M6-1	9/21/2015	-	6.43	-
M6-1	10/20/2015	-	6.72	-
M6-1	11/16/2015	-	6.68	-
M6-1	12/14/2015	-	6.35	-
M6-1	1/14/2016	-	6.63	-
M6-1	2/16/2016	-	7.03	-
M6-1	3/14/2016	-	6.45	-
M6-1	4/25/2016	-	7.15	-
M6-1	5/16/2016	-	6.85	-
M6-1	6/17/2016	-	7.04	-
M6-1	7/20/2016	-	7.34	-
M6-1	8/20/2016	-	7.61	-
M6-1	9/19/2016	-	7.87	-
M6-1	10/21/2016	-	7.83	-
M6-1	11/18/2016	-	7.19	-
M6-1	12/19/2016	-	7.26	-
M6-1	1/17/2017	-	5.81	-
M6-1	2/24/2017	-	4.96	-
M6-1	3/27/2017	-	7.17	-
M6-1	4/17/2017	-	6.77	-
M6-1	5/22/2017	-	7.74	-
M6-1	6/20/2017	-	7.14	-
M6-1	7/28/2017	-	6.97	-
M6-1	8/25/2017	-	7.14	-
M6-1	9/11/2017	-	7.18	-
M6-1	10/16/2017	-	6.71	-
M6-1	11/15/2017	-	6.57	-
M6-1	12/11/2017	-	7.20	-
M6-1	1/22/2018	-	6.79	-
M6-1	2/14/2018	-	6.93	-
M6-1	3/19/2018	-	6.36	-
M6-1	4/23/2018	-	6.70	-
M6-1	5/10/2018	-	6.20	-
M6-1	6/19/2018	-	5.03	-
M6-1	7/10/2018	-	6.43	-
M6-1	8/20/2018	-	6.53	-
M6-1	9/17/2018	-	6.60	-
M6-1	10/4/2018	-	6.75	-
M6-1	11/5/2018	-	6.60	-
M6-1	12/17/2018	-	6.64	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
M6-2	8/24/2015	-	5.76	-
M6-2	9/21/2015	-	5.75	-
M6-2	10/20/2015	-	6.08	-
M6-2	11/16/2015	-	6.17	-
M6-2	12/14/2015	-	6.12	-
M6-2	1/14/2016	-	4.69	-
M6-2	2/16/2016	-	5.46	-
M6-2	3/14/2016	-	4.27	-
M6-2	4/25/2016	-	5.51	-
M6-2	5/16/2016	-	5.74	-
M6-2	6/17/2016	-	5.94	-
M6-2	7/20/2016	-	6.21	-
M6-2	8/20/2016	-	6.42	-
M6-2	9/19/2016	-	6.61	-
M6-2	10/21/2016	-	6.82	-
M6-2	11/18/2016	-	6.96	-
M6-2	12/19/2016	-	5.93	-
M6-2	1/17/2017	-	3.05	-
M6-2	2/24/2017	-	1.75	-
M6-2	3/27/2017	-	3.87	-
M6-2	4/17/2017	-	4.80	-
M6-2	5/22/2017	-	5.98	-
M6-2	6/20/2017	-	6.45	-
M6-2	7/28/2017	-	6.55	-
M6-2	8/25/2017	-	6.58	-
M6-2	9/11/2017	-	6.30	-
M6-2	10/16/2017	-	5.45	-
M6-2	11/15/2017	-	5.27	-
M6-2	12/11/2017	-	4.41	-
M6-2	1/22/2018	-	4.98	-
M6-2	2/14/2018	-	5.40	-
M6-2	3/19/2018	-	4.26	-
M6-2	4/23/2018	-	4.65	-
M6-2	5/10/2018	-	4.56	-
M6-2	6/19/2018	-	6.20	-
M6-2	7/10/2018	-	5.28	-
M6-2	8/20/2018	-	5.38	-
M6-2	9/17/2018	-	5.50	-
M6-2	10/4/2018	-	5.72	-
M6-2	11/5/2018	-	5.80	-
M6-2	12/17/2018	-	4.25	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
M7-1	8/24/2015	-	8.09	-
M7-1	9/21/2015	-	8.12	-
M7-1	10/20/2015	-	8.40	-
M7-1	11/16/2015	-	8.48	-
M7-1	12/14/2015	-	8.30	-
M7-1	1/14/2016	-	8.04	-
M7-1	2/16/2016	-	8.36	-
M7-1	3/14/2016	-	7.83	-
M7-1	4/25/2016	-	8.46	-
M7-1	5/16/2016	-	8.17	-
M7-1	6/17/2016	-	8.22	-
M7-1	7/20/2016	-	8.54	-
M7-1	8/20/2016	-	8.74	-
M7-1	9/19/2016	-	8.88	-
M7-1	10/21/2016	-	9.01	-
M7-1	11/18/2016	-	8.98	-
M7-1	12/19/2016	-	8.68	-
M7-1	1/17/2017	-	6.94	-
M7-1	2/24/2017	-	5.13	-
M7-1	3/27/2017	-	6.71	-
M7-1	4/17/2017	-	7.52	-
M7-1	5/22/2017	-	8.28	-
M7-1	6/20/2017	-	8.22	-
M7-1	7/28/2017	-	8.37	-
M7-1	8/25/2017	-	8.61	-
M7-1	9/11/2017	-	8.76	-
M7-1	10/16/2017	-	8.14	-
M7-1	11/15/2017	-	7.95	-
M7-1	12/11/2017	-	8.25	-
M7-1	1/22/2018	-	7.95	-
M7-1	2/14/2018	-	7.96	-
M7-1	3/19/2018	-	7.18	-
M7-1	4/23/2018	-	7.41	-
M7-1	5/10/2018	-	7.30	-
M7-1	6/19/2018	-	7.37	-
M7-1	7/10/2018	-	7.50	-
M7-1	8/20/2018	-	7.88	-
M7-1	9/17/2018	-	8.17	-
M7-1	10/4/2018	-	8.36	-
M7-1	11/5/2018	-	8.40	-
M7-1	12/17/2018	-	7.97	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
M7-2	8/24/2015	-	7.78	-
M7-2	9/21/2015	-	7.91	-
M7-2	10/20/2015	-	8.15	-
M7-2	11/16/2015	-	8.27	-
M7-2	12/14/2015	-	8.28	-
M7-2	1/14/2016	-	7.34	-
M7-2	2/16/2016	-	7.74	-
M7-2	3/14/2016	-	7.03	-
M7-2	4/25/2016	-	7.84	-
M7-2	5/16/2016	-	7.70	-
M7-2	6/17/2016	-	7.77	-
M7-2	7/20/2016	-	8.05	-
M7-2	8/20/2016	-	8.26	-
M7-2	9/19/2016	-	8.42	-
M7-2	10/21/2016	-	8.64	-
M7-2	11/18/2016	-	8.88	-
M7-2	12/19/2016	-	8.21	-
M7-2	1/17/2017	-	5.91	-
M7-2	2/24/2017	-	3.56	-
M7-2	3/27/2017	-	5.29	-
M7-2	4/17/2017	-	6.88	-
M7-2	5/22/2017	-	7.73	-
M7-2	6/20/2017	-	8.07	-
M7-2	7/28/2017	-	8.28	-
M7-2	8/25/2017	-	8.58	-
M7-2	9/11/2017	-	7.45	-
M7-2	10/16/2017	-	7.64	-
M7-2	11/15/2017	-	7.58	-
M7-2	12/11/2017	-	7.68	-
M7-2	1/22/2018	-	7.43	-
M7-2	2/14/2018	-	7.47	-
M7-2	3/19/2018	-	6.40	-
M7-2	4/23/2018	-	6.75	-
M7-2	5/10/2018	-	6.64	-
M7-2	6/19/2018	-	6.98	-
M7-2	7/10/2018	-	7.06	-
M7-2	8/20/2018	-	7.57	-
M7-2	9/17/2018	-	7.88	-
M7-2	10/4/2018	-	8.05	-
M7-2	11/5/2018	-	8.00	-
M7-2	12/17/2018	-	7.32	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-7	8/24/2015	16.64	11.26	5.38
MBCMW-7	9/21/2015	16.64	10.94	5.70
MBCMW-7	10/20/2015	16.64	11.09	5.55
MBCMW-7	11/16/2015	16.64	11.11	5.53
MBCMW-7	12/14/2015	16.64	10.27	6.37
MBCMW-7	1/14/2016	16.64	11.39	5.25
MBCMW-7	2/16/2016	16.64	11.75	4.89
MBCMW-7	3/14/2016	16.64	11.55	5.09
MBCMW-7	4/25/2016	16.64	11.44	5.20
MBCMW-7	5/16/2016	16.64	11.22	5.42
MBCMW-7	6/17/2016	16.64	11.71	4.93
MBCMW-7	7/20/2016	16.64	12.12	4.52
MBCMW-7	8/20/2016	16.64	12.27	4.37
MBCMW-7	9/19/2016	16.64	12.65	3.99
MBCMW-7	10/21/2016	16.64	12.32	4.32
MBCMW-7	11/18/2016	16.64	10.31	6.33
MBCMW-7	12/19/2016	16.64	11.65	4.99
MBCMW-7	1/17/2017	16.64	11.29	5.35
MBCMW-7	2/24/2017	16.64	10.96	5.68
MBCMW-7	3/27/2017	16.64	12.84	3.80
MBCMW-7	4/17/2017	16.64	11.89	4.75
MBCMW-7	5/22/2017	16.64	12.56	4.08
MBCMW-7	6/20/2017	16.64	11.57	5.07
MBCMW-7	7/28/2017	16.64	11.35	5.29
MBCMW-7	8/25/2017	16.64	11.61	5.03
MBCMW-7	9/11/2017	16.64	9.28	7.36
MBCMW-7	10/16/2017	16.64	11.28	5.36
MBCMW-7	11/15/2017	16.64	11.12	5.52
MBCMW-7	12/11/2017	16.64	12.03	4.61
MBCMW-7	1/22/2018	16.64	11.74	4.90
MBCMW-7	2/14/2018	16.64	11.39	5.25
MBCMW-7	3/19/2018	16.64	11.45	5.19
MBCMW-7	4/23/2018	16.64	11.51	5.13
MBCMW-7	5/10/2018	16.64	10.93	5.71
MBCMW-7	6/19/2018	16.64	10.76	5.88
MBCMW-7	7/10/2018	16.64	11.09	5.55
MBCMW-7	8/20/2018	16.64	11.11	5.53
MBCMW-7	9/17/2018	16.64	11.02	5.62
MBCMW-7	10/4/2018	16.64	10.87	5.77
MBCMW-7	11/5/2018	16.64	10.74	5.90
MBCMW-7	12/17/2018	16.64	11.57	5.07

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-8	8/24/2015	16.53	9.11	7.42
MBCMW-8	9/21/2015	16.53	9.13	7.40
MBCMW-8	10/20/2015	16.53	9.44	7.09
MBCMW-8	11/16/2015	16.53	9.58	6.95
MBCMW-8	12/14/2015	16.53	9.59	6.94
MBCMW-8	1/14/2016	16.53	8.05	8.48
MBCMW-8	2/16/2016	16.53	8.66	7.87
MBCMW-8	3/14/2016	16.53	7.36	9.17
MBCMW-8	4/25/2016	16.53	8.54	7.99
MBCMW-8	5/16/2016	16.53	8.89	7.64
MBCMW-8	6/17/2016	16.53	9.16	7.37
MBCMW-8	7/20/2016	16.53	9.46	7.07
MBCMW-8	8/20/2016	16.53	9.73	6.80
MBCMW-8	9/19/2016	16.53	9.99	6.54
MBCMW-8	10/21/2016	16.53	10.02	6.51
MBCMW-8	11/18/2016	16.53	10.11	6.42
MBCMW-8	12/19/2016	16.53	9.61	6.92
MBCMW-8	1/17/2017	16.53	7.03	9.50
MBCMW-8	2/24/2017	16.53	4.41	12.12
MBCMW-8	3/27/2017	16.53	6.13	10.40
MBCMW-8	4/17/2017	16.53	7.45	9.08
MBCMW-8	5/22/2017	16.53	7.89	8.64
MBCMW-8	6/20/2017	16.53	8.82	7.71
MBCMW-8	7/28/2017	16.53	9.57	6.96
MBCMW-8	8/25/2017	16.53	9.76	6.77
MBCMW-8	9/11/2017	16.53	10.03	6.50
MBCMW-8	10/16/2017	16.53	8.07	8.46
MBCMW-8	11/15/2017	16.53	7.84	8.69
MBCMW-8	12/11/2017	16.53	8.51	8.02
MBCMW-8	1/22/2018	16.53	8.25	8.28
MBCMW-8	2/14/2018	16.53	8.61	7.92
MBCMW-8	3/19/2018	16.53	7.51	9.02
MBCMW-8	4/23/2018	16.53	7.51	9.02
MBCMW-8	5/10/2018	16.53	7.89	8.64
MBCMW-8	6/19/2018	16.53	8.40	8.13
MBCMW-8	7/10/2018	16.53	8.69	7.84
MBCMW-8	8/20/2018	16.53	8.93	7.60
MBCMW-8	9/17/2018	16.53	9.00	7.53
MBCMW-8	10/4/2018	16.53	9.29	7.24
MBCMW-8	11/5/2018	16.53	9.29	7.24
MBCMW-8	12/17/2018	16.53	8.10	8.43

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-9	8/24/2015	17.71	8.70	9.01
MBCMW-9	9/21/2015	17.71	8.83	8.88
MBCMW-9	10/20/2015	17.71	9.00	8.71
MBCMW-9	11/16/2015	17.71	9.09	8.62
MBCMW-9	12/14/2015	17.71	9.09	8.62
MBCMW-9	1/14/2016	17.71	8.30	9.41
MBCMW-9	2/16/2016	17.71	8.06	9.65
MBCMW-9	3/14/2016	17.71	7.83	9.88
MBCMW-9	4/25/2016	17.71	8.21	9.50
MBCMW-9	5/16/2016	17.71	8.40	9.31
MBCMW-9	6/17/2016	17.71	8.64	9.07
MBCMW-9	7/20/2016	17.71	8.78	8.93
MBCMW-9	8/20/2016	17.71	8.80	8.91
MBCMW-9	9/19/2016	17.71	8.80	8.91
MBCMW-9	10/21/2016	17.71	9.29	8.42
MBCMW-9	11/18/2016	17.71	9.15	8.56
MBCMW-9	12/19/2016	17.71	8.75	8.96
MBCMW-9	1/17/2017	17.71	8.06	9.65
MBCMW-9	2/24/2017	17.71	5.11	12.60
MBCMW-9	3/27/2017	17.71	5.44	12.27
MBCMW-9	4/17/2017	17.71	5.99	11.72
MBCMW-9	5/22/2017	17.71	6.28	11.43
MBCMW-9	6/20/2017	17.71	6.76	10.95
MBCMW-9	7/28/2017	17.71	7.98	9.73
MBCMW-9	8/25/2017	17.71	8.31	9.40
MBCMW-9	9/11/2017	17.71	8.67	9.04
MBCMW-9	10/16/2017	17.71	7.83	9.88
MBCMW-9	11/15/2017	17.71	7.50	10.21
MBCMW-9	12/11/2017	17.71	7.73	9.98
MBCMW-9	1/22/2018	17.71	7.39	10.32
MBCMW-9	2/14/2018	17.71	9.03	8.68
MBCMW-9	3/19/2018	17.71	7.08	10.63
MBCMW-9	4/23/2018	17.71	9.20	8.51
MBCMW-9	5/10/2018	17.71	6.79	10.92
MBCMW-9	6/19/2018	17.71	7.70	10.01
MBCMW-9	7/10/2018	17.71	8.06	9.65
MBCMW-9	8/20/2018	17.71	8.40	9.31
MBCMW-9	9/17/2018	17.71	8.40	9.31
MBCMW-9	10/4/2018	17.71	8.52	9.19
MBCMW-9	11/5/2018	17.71	8.50	9.21
MBCMW-9	12/17/2018	17.71	9.30	8.41

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MBCMW-10	8/24/2015	17.74	8.63	9.11
MBCMW-10	9/21/2015	17.74	8.20	9.54
MBCMW-10	10/20/2015	17.74	8.40	9.34
MBCMW-10	11/16/2015	17.74	8.35	9.39
MBCMW-10	12/14/2015	17.74	7.34	10.40
MBCMW-10	1/14/2016	17.74	8.82	8.92
MBCMW-10	2/16/2016	17.74	9.34	8.40
MBCMW-10	3/14/2016	17.74	8.97	8.77
MBCMW-10	4/25/2016	17.74	9.22	8.52
MBCMW-10	5/16/2016	17.74	8.75	8.99
MBCMW-10	6/17/2016	17.74	8.58	9.16
MBCMW-10	7/20/2016	17.74	9.29	8.45
MBCMW-10	8/20/2016	17.74	9.52	8.22
MBCMW-10	9/19/2016	17.74	9.85	7.89
MBCMW-10	10/21/2016	17.74	9.67	8.07
MBCMW-10	11/18/2016	17.74	8.31	9.43
MBCMW-10	12/19/2016	17.74	8.97	8.77
MBCMW-10	1/17/2017	17.74	8.67	9.07
MBCMW-10	2/24/2017	17.74	8.55	9.19
MBCMW-10	3/27/2017	17.74	10.12	7.62
MBCMW-10	4/17/2017	17.74	9.43	8.31
MBCMW-10	5/22/2017	17.74	10.07	7.67
MBCMW-10	6/20/2017	17.74	8.87	8.87
MBCMW-10	7/28/2017	17.74	8.84	8.90
MBCMW-10	8/25/2017	17.74	8.92	8.82
MBCMW-10	9/11/2017	17.74	8.41	9.33
MBCMW-10	10/16/2017	17.74	8.38	9.36
MBCMW-10	11/15/2017	17.74	8.36	9.38
MBCMW-10	12/11/2017	17.74	9.70	8.04
MBCMW-10	1/22/2018	17.74	9.10	8.64
MBCMW-10	2/14/2018	17.74	7.70	10.04
MBCMW-10	3/19/2018	17.74	8.61	9.13
MBCMW-10	4/23/2018	17.74	6.79	10.95
MBCMW-10	5/10/2018	17.74	8.29	9.45
MBCMW-10	6/19/2018	17.74	8.34	9.40
MBCMW-10	7/10/2018	17.74	8.29	9.45
MBCMW-10	8/20/2018	17.74	8.45	9.29
MBCMW-10	9/17/2018	17.74	8.30	9.44
MBCMW-10	10/4/2018	17.74	8.38	9.36
MBCMW-10	11/5/2018	17.74	8.25	9.49
MBCMW-10	12/17/2018	17.74	7.60	10.14

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW04S	8/24/2015	15.29	7.55	7.74
MCWP-MW04S	9/21/2015	15.29	7.67	7.62
MCWP-MW04S	10/20/2015	15.29	7.85	7.44
MCWP-MW04S	11/16/2015	15.29	7.99	7.30
MCWP-MW04S	12/14/2015	15.29	8.06	7.23
MCWP-MW04S	1/14/2016	15.29	6.48	8.81
MCWP-MW04S	2/16/2016	15.29	7.08	8.21
MCWP-MW04S	3/14/2016	15.29	5.92	9.37
MCWP-MW04S	4/25/2016	15.29	7.10	8.19
MCWP-MW04S	5/16/2016	15.29	7.36	7.93
MCWP-MW04S	6/17/2016	15.29	7.64	7.65
MCWP-MW04S	7/20/2016	15.29	7.95	7.34
MCWP-MW04S	8/20/2016	15.29	8.18	7.11
MCWP-MW04S	9/19/2016	15.29	8.35	6.94
MCWP-MW04S	10/21/2016	15.29	8.88	6.41
MCWP-MW04S	11/18/2016	15.29	8.40	6.89
MCWP-MW04S	12/19/2016	15.29	8.67	6.62
MCWP-MW04S	1/17/2017	15.29	6.62	8.67
MCWP-MW04S	2/24/2017	15.29	3.34	11.95
MCWP-MW04S	3/27/2017	15.29	5.20	10.09
MCWP-MW04S	4/17/2017	15.29	6.19	9.10
MCWP-MW04S	5/22/2017	15.29	6.73	8.56
MCWP-MW04S	6/20/2017	15.29	7.41	7.88
MCWP-MW04S	7/28/2017	15.29	7.91	7.38
MCWP-MW04S	8/25/2017	15.29	8.08	7.21
MCWP-MW04S	9/11/2017	15.29	7.87	7.42
MCWP-MW04S	10/16/2017	15.29	6.74	8.55
MCWP-MW04S	11/15/2017	15.29	6.71	8.58
MCWP-MW04S	12/11/2017	15.29	7.15	8.14
MCWP-MW04S	1/22/2018	15.29	6.86	8.43
MCWP-MW04S	2/14/2018	15.29	7.32	7.97
MCWP-MW04S	3/19/2018	15.29	6.05	9.24
MCWP-MW04S	4/23/2018	15.29	6.05	9.24
MCWP-MW04S	5/10/2018	15.29	6.20	9.09
MCWP-MW04S	6/19/2018	15.29	6.95	8.34
MCWP-MW04S	7/10/2018	15.29	7.19	8.10
MCWP-MW04S	8/20/2018	15.29	7.28	8.01
MCWP-MW04S	9/17/2018	15.29	7.33	7.96
MCWP-MW04S	10/4/2018	15.29	7.65	7.64
MCWP-MW04S	11/5/2018	15.29	7.72	7.57
MCWP-MW04S	12/17/2018	15.29	6.55	8.74

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW07S	8/24/2015	13.72	6.76	6.96
MCWP-MW07S	9/21/2015	13.72	7.13	6.59
MCWP-MW07S	10/20/2015	13.72	6.44	7.28
MCWP-MW07S	11/16/2015	13.72	6.74	6.98
MCWP-MW07S	12/14/2015	13.72	6.56	7.16
MCWP-MW07S	1/14/2016	13.72	6.19	7.53
MCWP-MW07S	2/16/2016	13.72	6.75	6.97
MCWP-MW07S	3/14/2016	13.72	5.85	7.87
MCWP-MW07S	4/25/2016	13.72	6.49	7.23
MCWP-MW07S	5/16/2016	13.72	6.73	6.99
MCWP-MW07S	6/17/2016	13.72	N/A	-
MCWP-MW07S	7/20/2016	13.72	6.18	7.54
MCWP-MW07S	8/20/2016	13.72	6.25	7.47
MCWP-MW07S	9/19/2016	13.72	6.48	7.24
MCWP-MW07S	10/21/2016	13.72	6.61	7.11
MCWP-MW07S	11/18/2016	13.72	6.70	7.02
MCWP-MW07S	12/19/2016	13.72	6.67	7.05
MCWP-MW07S	1/17/2017	13.72	6.11	7.61
MCWP-MW07S	2/24/2017	13.72	N/A	-
MCWP-MW07S	3/27/2017	13.72	N/A	-
MCWP-MW07S	4/17/2017	13.72	N/A	-
MCWP-MW07S	5/22/2017	13.72	N/A	-
MCWP-MW07S	6/20/2017	13.72	N/A	-
MCWP-MW07S	7/28/2017	13.72	5.79	7.93
MCWP-MW07S	8/25/2017	13.72	6.09	7.63
MCWP-MW07S	9/11/2017	13.72	6.02	7.70
MCWP-MW07S	10/16/2017	13.72	6.04	7.68
MCWP-MW07S	11/15/2017	13.72	6.50	7.22
MCWP-MW07S	12/11/2017	13.72	5.73	7.99
MCWP-MW07S	1/22/2018	13.72	5.92	7.80
MCWP-MW07S	2/14/2018	13.72	6.23	7.49
MCWP-MW07S	3/19/2018	13.72	6.05	7.67
MCWP-MW07S	4/23/2018	13.72	6.15	7.57
MCWP-MW07S	5/10/2018	13.72	6.23	7.49
MCWP-MW07S	6/19/2018	13.72	5.78	7.94
MCWP-MW07S	7/10/2018	13.72	6.09	7.63
MCWP-MW07S	8/20/2018	13.72	5.72	8.00
MCWP-MW07S	9/17/2018	13.72	5.76	7.96
MCWP-MW07S	10/4/2018	13.72	5.98	7.74
MCWP-MW07S	11/5/2018	13.72	5.76	7.96
MCWP-MW07S	12/17/2018	13.72	5.65	8.07

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW08	8/24/2015	12.21	7.64	4.57
MCWP-MW08	9/21/2015	12.21	7.42	4.79
MCWP-MW08	10/20/2015	12.21	7.61	4.60
MCWP-MW08	11/16/2015	12.21	7.40	4.81
MCWP-MW08	12/14/2015	12.21	6.62	5.59
MCWP-MW08	1/14/2016	12.21	8.46	3.75
MCWP-MW08	2/16/2016	12.21	8.27	3.94
MCWP-MW08	3/14/2016	12.21	7.96	4.25
MCWP-MW08	4/25/2016	12.21	7.83	4.38
MCWP-MW08	5/16/2016	12.21	6.87	5.34
MCWP-MW08	6/17/2016	12.21	6.97	5.24
MCWP-MW08	7/20/2016	12.21	7.76	4.45
MCWP-MW08	8/20/2016	12.21	7.77	4.44
MCWP-MW08	9/19/2016	12.21	7.74	4.47
MCWP-MW08	10/21/2016	12.21	8.00	4.21
MCWP-MW08	11/18/2016	12.21	7.27	4.94
MCWP-MW08	12/19/2016	12.21	8.57	3.64
MCWP-MW08	1/17/2017	12.21	8.00	4.21
MCWP-MW08	2/24/2017	12.21	8.77	3.44
MCWP-MW08	3/27/2017	12.21	8.81	3.40
MCWP-MW08	4/17/2017	12.21	8.74	3.47
MCWP-MW08	5/22/2017	12.21	9.04	3.17
MCWP-MW08	6/20/2017	12.21	7.47	4.74
MCWP-MW08	7/28/2017	12.21	7.21	5.00
MCWP-MW08	8/25/2017	12.21	7.40	4.81
MCWP-MW08	9/11/2017	12.21	7.68	4.53
MCWP-MW08	10/16/2017	12.21	7.72	4.49
MCWP-MW08	11/15/2017	12.21	7.78	4.43
MCWP-MW08	12/11/2017	12.21	9.02	3.19
MCWP-MW08	1/22/2018	12.21	8.73	3.48
MCWP-MW08	2/14/2018	12.21	7.85	4.36
MCWP-MW08	3/19/2018	12.21	8.34	3.87
MCWP-MW08	4/23/2018	12.21	8.47	3.74
MCWP-MW08	5/10/2018	12.21	7.61	4.60
MCWP-MW08	6/19/2018	12.21	7.03	5.18
MCWP-MW08	7/10/2018	12.21	7.22	4.99
MCWP-MW08	8/20/2018	12.21	7.43	4.78
MCWP-MW08	9/17/2018	12.21	7.57	4.64
MCWP-MW08	10/4/2018	12.21	7.80	4.41
MCWP-MW08	11/5/2018	12.21	7.79	4.42
MCWP-MW08	12/17/2018	12.21	8.18	4.03

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW10	8/24/2015	11.11	5.70	5.41
MCWP-MW10	9/21/2015	11.11	5.55	5.56
MCWP-MW10	10/20/2015	11.11	5.81	5.30
MCWP-MW10	11/16/2015	11.11	5.74	5.37
MCWP-MW10	12/14/2015	11.11	4.59	6.52
MCWP-MW10	1/14/2016	11.11	8.09	3.02
MCWP-MW10	2/16/2016	11.11	7.98	3.13
MCWP-MW10	3/14/2016	11.11	8.04	3.07
MCWP-MW10	4/25/2016	11.11	7.07	4.04
MCWP-MW10	5/16/2016	11.11	5.63	5.48
MCWP-MW10	6/17/2016	11.11	5.73	5.38
MCWP-MW10	7/20/2016	11.11	6.02	5.09
MCWP-MW10	8/20/2016	11.11	6.34	4.77
MCWP-MW10	9/19/2016	11.11	6.70	4.41
MCWP-MW10	10/21/2016	11.11	6.61	4.50
MCWP-MW10	11/18/2016	11.11	5.57	5.54
MCWP-MW10	12/19/2016	11.11	N/A	-
MCWP-MW10	1/17/2017	11.11	8.11	3.00
MCWP-MW10	2/24/2017	11.11	8.45	2.66
MCWP-MW10	3/27/2017	11.11	8.70	2.41
MCWP-MW10	4/17/2017	11.11	8.58	2.53
MCWP-MW10	5/22/2017	11.11	8.26	2.85
MCWP-MW10	6/20/2017	11.11	5.70	5.41
MCWP-MW10	7/28/2017	11.11	5.43	5.68
MCWP-MW10	8/25/2017	11.11	5.64	5.47
MCWP-MW10	9/11/2017	11.11	6.10	5.01
MCWP-MW10	10/16/2017	11.11	5.88	5.23
MCWP-MW10	11/15/2017	11.11	5.83	5.28
MCWP-MW10	12/11/2017	11.11	8.23	2.88
MCWP-MW10	1/22/2018	11.11	7.99	3.12
MCWP-MW10	2/14/2018	11.11	7.73	3.38
MCWP-MW10	3/19/2018	11.11	8.12	2.99
MCWP-MW10	4/23/2018	11.11	7.25	3.86
MCWP-MW10	5/10/2018	11.11	5.86	5.25
MCWP-MW10	6/19/2018	11.11	4.91	6.20
MCWP-MW10	7/10/2018	11.11	5.33	5.78
MCWP-MW10	8/20/2018	11.11	5.56	5.55
MCWP-MW10	9/17/2018	11.11	5.51	5.60
MCWP-MW10	10/4/2018	11.11	5.63	5.48
MCWP-MW10	11/5/2018	11.11	5.64	5.47
MCWP-MW10	12/17/2018	11.11	8.55	2.56

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
P-4	8/24/2015	12.16	4.58	7.58
P-4	9/21/2015	12.16	4.47	7.69
P-4	10/20/2015	12.16	4.71	7.45
P-4	11/16/2015	12.16	4.65	7.51
P-4	12/14/2015	12.16	3.52	8.64
P-4	1/14/2016	12.16	6.93	5.23
P-4	2/16/2016	12.16	6.88	5.28
P-4	3/14/2016	12.16	6.92	5.24
P-4	4/25/2016	12.16	6.00	6.16
P-4	5/16/2016	12.16	4.57	7.59
P-4	6/17/2016	12.16	4.68	7.48
P-4	7/20/2016	12.16	4.95	7.21
P-4	8/20/2016	12.16	5.27	6.89
P-4	9/19/2016	12.16	5.63	6.53
P-4	10/21/2016	12.16	5.55	6.61
P-4	11/18/2016	12.16	4.51	7.65
P-4	12/19/2016	12.16	7.17	4.99
P-4	1/17/2017	12.16	6.98	5.18
P-4	2/24/2017	12.16	7.12	5.04
P-4	3/27/2017	12.16	7.71	4.45
P-4	4/17/2017	12.16	7.48	4.68
P-4	5/22/2017	12.16	7.22	4.94
P-4	6/20/2017	12.16	4.72	7.44
P-4	7/28/2017	12.16	4.35	7.81
P-4	8/25/2017	12.16	4.61	7.55
P-4	9/11/2017	12.16	4.94	7.22
P-4	10/16/2017	12.16	4.75	7.41
P-4	11/15/2017	12.16	4.74	7.42
P-4	12/11/2017	12.16	7.53	4.63
P-4	1/22/2018	12.16	6.84	5.32
P-4	2/14/2018	12.16	7.22	4.94
P-4	3/19/2018	12.16	6.95	5.21
P-4	4/23/2018	12.16	6.15	6.01
P-4	5/10/2018	12.16	4.75	7.41
P-4	6/19/2018	12.16	3.85	8.31
P-4	7/10/2018	12.16	4.27	7.89
P-4	8/20/2018	12.16	4.35	7.81
P-4	9/17/2018	12.16	4.80	7.36
P-4	10/4/2018	12.16	4.75	7.41
P-4	11/5/2018	12.16	5.00	7.16
P-4	12/17/2018	12.16	7.47	4.69

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
P-9	8/24/2015	12.17	5.07	7.10
P-9	9/21/2015	12.17	4.90	7.27
P-9	10/20/2015	12.17	5.18	6.99
P-9	11/16/2015	12.17	5.08	7.09
P-9	12/14/2015	12.17	3.92	8.25
P-9	1/14/2016	12.17	7.49	4.68
P-9	2/16/2016	12.17	7.53	4.64
P-9	3/14/2016	12.17	7.66	4.51
P-9	4/25/2016	12.17	6.49	5.68
P-9	5/16/2016	12.17	5.02	7.15
P-9	6/17/2016	12.17	5.09	7.08
P-9	7/20/2016	12.17	5.34	6.83
P-9	8/20/2016	12.17	5.70	6.47
P-9	9/19/2016	12.17	6.06	6.11
P-9	10/21/2016	12.17	6.01	6.16
P-9	11/18/2016	12.17	4.91	7.26
P-9	12/19/2016	12.17	7.81	4.36
P-9	1/17/2017	12.17	7.68	4.49
P-9	2/24/2017	12.17	7.82	4.35
P-9	3/27/2017	12.17	8.00	4.17
P-9	4/17/2017	12.17	8.16	4.01
P-9	5/22/2017	12.17	7.59	4.58
P-9	6/20/2017	12.17	5.03	7.14
P-9	7/28/2017	12.17	4.77	7.40
P-9	8/25/2017	12.17	4.95	7.22
P-9	9/11/2017	12.17	5.37	6.80
P-9	10/16/2017	12.17	5.24	6.93
P-9	11/15/2017	12.17	5.20	6.97
P-9	12/11/2017	12.17	8.26	3.91
P-9	1/22/2018	12.17	7.44	4.73
P-9	2/14/2018	12.17	7.15	5.02
P-9	3/19/2018	12.17	7.53	4.64
P-9	4/23/2018	12.17	6.60	5.57
P-9	5/10/2018	12.17	5.15	7.02
P-9	6/19/2018	12.17	4.23	7.94
P-9	7/10/2018	12.17	4.73	7.44
P-9	8/20/2018	12.17	4.74	7.43
P-9	9/17/2018	12.17	4.80	7.37
P-9	10/4/2018	12.17	4.98	7.19
P-9	11/5/2018	12.17	5.00	7.17
P-9	12/17/2018	12.17	8.23	3.94

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-2	8/24/2015	13.13	6.04	7.09
SMBRP-2	9/21/2015	13.13	5.91	7.22
SMBRP-2	10/20/2015	13.13	6.16	6.97
SMBRP-2	11/16/2015	13.13	6.09	7.04
SMBRP-2	12/14/2015	13.13	4.84	8.29
SMBRP-2	1/14/2016	13.13	8.80	4.33
SMBRP-2	2/16/2016	13.13	8.54	4.59
SMBRP-2	3/14/2016	13.13	8.58	4.55
SMBRP-2	4/25/2016	13.13	7.59	5.54
SMBRP-2	5/16/2016	13.13	6.07	7.06
SMBRP-2	6/17/2016	13.13	6.14	6.99
SMBRP-2	7/20/2016	13.13	6.36	6.77
SMBRP-2	8/20/2016	13.13	6.73	6.40
SMBRP-2	9/19/2016	13.13	7.11	6.02
SMBRP-2	10/21/2016	13.13	6.98	6.15
SMBRP-2	11/18/2016	13.13	5.94	7.19
SMBRP-2	12/19/2016	13.13	8.87	4.26
SMBRP-2	1/17/2017	13.13	8.64	4.49
SMBRP-2	2/24/2017	13.13	8.94	4.19
SMBRP-2	3/27/2017	13.13	9.25	3.88
SMBRP-2	4/17/2017	13.13	9.15	3.98
SMBRP-2	5/22/2017	13.13	8.68	4.45
SMBRP-2	6/20/2017	13.13	5.78	7.35
SMBRP-2	7/28/2017	13.13	5.58	7.55
SMBRP-2	8/25/2017	13.13	5.74	7.39
SMBRP-2	9/11/2017	13.13	6.17	6.96
SMBRP-2	10/16/2017	13.13	6.22	6.91
SMBRP-2	11/15/2017	13.13	6.13	7.00
SMBRP-2	12/11/2017	13.13	9.22	3.91
SMBRP-2	1/22/2018	13.13	8.53	4.60
SMBRP-2	2/14/2018	13.13	8.60	4.53
SMBRP-2	3/19/2018	13.13	8.70	4.43
SMBRP-2	4/23/2018	13.13	7.78	5.35
SMBRP-2	5/10/2018	13.13	6.18	6.95
SMBRP-2	6/19/2018	13.13	5.21	7.92
SMBRP-2	7/10/2018	13.13	5.64	7.49
SMBRP-2	8/20/2018	13.13	5.70	7.43
SMBRP-2	9/17/2018	13.13	5.75	7.38
SMBRP-2	10/4/2018	13.13	5.72	7.41
SMBRP-2	11/5/2018	13.13	5.90	7.23
SMBRP-2	12/17/2018	13.13	9.08	4.05

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-6	8/24/2015	26.88	16.49	10.39
SMBRP-6	9/21/2015	26.88	15.95	10.93
SMBRP-6	10/20/2015	26.88	16.66	10.22
SMBRP-6	11/16/2015	26.88	16.47	10.41
SMBRP-6	12/14/2015	26.88	14.78	12.10
SMBRP-6	1/14/2016	26.88	14.68	12.20
SMBRP-6	2/16/2016	26.88	15.22	11.66
SMBRP-6	3/14/2016	26.88	14.43	12.45
SMBRP-6	4/25/2016	26.88	16.60	10.28
SMBRP-6	5/16/2016	26.88	16.81	10.07
SMBRP-6	6/17/2016	26.88	17.87	9.01
SMBRP-6	7/20/2016	26.88	18.52	8.36
SMBRP-6	8/20/2016	26.88	19.01	7.87
SMBRP-6	9/19/2016	26.88	19.61	7.27
SMBRP-6	10/21/2016	26.88	18.13	8.75
SMBRP-6	11/18/2016	26.88	16.12	10.76
SMBRP-6	12/19/2016	26.88	14.46	12.42
SMBRP-6	1/17/2017	26.88	14.14	12.74
SMBRP-6	2/24/2017	26.88	13.14	13.74
SMBRP-6	3/27/2017	26.88	15.01	11.87
SMBRP-6	4/17/2017	26.88	14.79	12.09
SMBRP-6	5/22/2017	26.88	15.44	11.44
SMBRP-6	6/20/2017	26.88	15.87	11.01
SMBRP-6	7/28/2017	26.88	16.32	10.56
SMBRP-6	8/25/2017	26.88	16.39	10.49
SMBRP-6	9/11/2017	26.88	16.48	10.40
SMBRP-6	10/16/2017	26.88	16.27	10.61
SMBRP-6	11/15/2017	26.88	16.40	10.48
SMBRP-6	12/11/2017	26.88	16.40	10.48
SMBRP-6	1/22/2018	26.88	14.78	12.10
SMBRP-6	2/14/2018	26.88	14.89	11.99
SMBRP-6	3/19/2018	26.88	14.32	12.56
SMBRP-6	4/23/2018	26.88	15.10	11.78
SMBRP-6	5/10/2018	26.88	15.21	11.67
SMBRP-6	6/19/2018	26.88	16.15	10.73
SMBRP-6	7/10/2018	26.88	16.45	10.43
SMBRP-6	8/20/2018	26.88	16.60	10.28
SMBRP-6	9/17/2018	26.88	inaccesible	-
SMBRP-6	10/4/2018	26.88	16.17	10.71
SMBRP-6	11/5/2018	26.88	15.80	11.08
SMBRP-6	12/17/2018	26.88	15.22	11.66

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-7B	8/24/2015	18.99	10.69	8.30
SMBRP-7B	9/21/2015	18.99	10.62	8.37
SMBRP-7B	10/20/2015	18.99	10.77	8.22
SMBRP-7B	11/16/2015	18.99	10.78	8.21
SMBRP-7B	12/14/2015	18.99	10.60	8.39
SMBRP-7B	1/14/2016	18.99	10.83	8.16
SMBRP-7B	2/16/2016	18.99	11.08	7.91
SMBRP-7B	3/14/2016	18.99	10.84	8.15
SMBRP-7B	4/25/2016	18.99	11.23	7.76
SMBRP-7B	5/16/2016	18.99	11.04	7.95
SMBRP-7B	6/17/2016	18.99	11.08	7.91
SMBRP-7B	7/20/2016	18.99	11.31	7.68
SMBRP-7B	8/20/2016	18.99	11.54	7.45
SMBRP-7B	9/19/2016	18.99	11.68	7.31
SMBRP-7B	10/21/2016	18.99	11.81	7.18
SMBRP-7B	11/18/2016	18.99	11.49	7.50
SMBRP-7B	12/19/2016	18.99	11.33	7.66
SMBRP-7B	1/17/2017	18.99	10.18	8.81
SMBRP-7B	2/24/2017	18.99	8.13	10.86
SMBRP-7B	3/27/2017	18.99	9.68	9.31
SMBRP-7B	4/17/2017	18.99	9.90	9.09
SMBRP-7B	5/22/2017	18.99	10.51	8.48
SMBRP-7B	6/20/2017	18.99	10.71	8.28
SMBRP-7B	7/28/2017	18.99	10.99	8.00
SMBRP-7B	8/25/2017	18.99	11.66	7.33
SMBRP-7B	9/11/2017	18.99	11.86	7.13
SMBRP-7B	10/16/2017	18.99	11.12	7.87
SMBRP-7B	11/15/2017	18.99	10.77	8.22
SMBRP-7B	12/11/2017	18.99	11.11	7.88
SMBRP-7B	1/22/2018	18.99	11.18	7.81
SMBRP-7B	2/14/2018	18.99	11.19	7.80
SMBRP-7B	3/19/2018	18.99	10.75	8.24
SMBRP-7B	4/23/2018	18.99	10.81	8.18
SMBRP-7B	5/10/2018	18.99	10.53	8.46
SMBRP-7B	6/19/2018	18.99	10.36	8.63
SMBRP-7B	7/10/2018	18.99	10.61	8.38
SMBRP-7B	8/20/2018	18.99	10.75	8.24
SMBRP-7B	9/17/2018	18.99	10.76	8.23
SMBRP-7B	10/4/2018	18.99	10.78	8.21
SMBRP-7B	11/5/2018	18.99	10.70	8.29
SMBRP-7B	12/17/2018	18.99	10.55	8.44

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-8 (EC-RC-MW01)	8/24/2015	48.69	28.74	19.95
SMBRP-8 (EC-RC-MW01)	9/21/2015	48.69	29.02	19.67
SMBRP-8 (EC-RC-MW01)	10/20/2015	48.69	28.76	19.93
SMBRP-8 (EC-RC-MW01)	11/16/2015	48.69	29.38	19.31
SMBRP-8 (EC-RC-MW01)	12/14/2015	48.69	29.32	19.37
SMBRP-8 (EC-RC-MW01)	1/14/2016	48.69	28.93	19.76
SMBRP-8 (EC-RC-MW01)	2/16/2016	48.69	29.18	19.51
SMBRP-8 (EC-RC-MW01)	3/14/2016	48.69	28.76	19.93
SMBRP-8 (EC-RC-MW01)	4/25/2016	48.69	29.40	19.29
SMBRP-8 (EC-RC-MW01)	5/16/2016	48.69	29.18	19.51
SMBRP-8 (EC-RC-MW01)	6/17/2016	48.69	29.38	19.31
SMBRP-8 (EC-RC-MW01)	7/20/2016	48.69	29.73	18.96
SMBRP-8 (EC-RC-MW01)	8/20/2016	48.69	30.02	18.67
SMBRP-8 (EC-RC-MW01)	9/19/2016	48.69	30.64	18.05
SMBRP-8 (EC-RC-MW01)	10/21/2016	48.69	31.02	17.67
SMBRP-8 (EC-RC-MW01)	11/18/2016	48.69	31.16	17.53
SMBRP-8 (EC-RC-MW01)	12/19/2016	48.69	30.83	17.86
SMBRP-8 (EC-RC-MW01)	1/17/2017	48.69	29.49	19.20
SMBRP-8 (EC-RC-MW01)	2/24/2017	48.69	26.78	21.91
SMBRP-8 (EC-RC-MW01)	3/27/2017	48.69	25.21	23.48
SMBRP-8 (EC-RC-MW01)	4/17/2017	48.69	24.34	24.35
SMBRP-8 (EC-RC-MW01)	5/22/2017	48.69	23.31	25.38
SMBRP-8 (EC-RC-MW01)	6/20/2017	48.69	23.54	25.15
SMBRP-8 (EC-RC-MW01)	7/28/2017	48.69	24.25	24.44
SMBRP-8 (EC-RC-MW01)	8/25/2017	48.69	24.98	23.71
SMBRP-8 (EC-RC-MW01)	9/11/2017	48.69	25.30	23.39
SMBRP-8 (EC-RC-MW01)	10/16/2017	48.69	26.10	22.59
SMBRP-8 (EC-RC-MW01)	11/15/2017	48.69	26.56	22.13
SMBRP-8 (EC-RC-MW01)	12/11/2017	48.69	27.02	21.67
SMBRP-8 (EC-RC-MW01)	1/22/2018	48.69	27.44	21.25
SMBRP-8 (EC-RC-MW01)	2/14/2018	48.69	27.52	21.17
SMBRP-8 (EC-RC-MW01)	3/19/2018	48.69	27.34	21.35
SMBRP-8 (EC-RC-MW01)	4/23/2018	48.69	26.68	22.01
SMBRP-8 (EC-RC-MW01)	5/10/2018	48.69	27.02	21.67
SMBRP-8 (EC-RC-MW01)	6/19/2018	48.69	27.58	21.11
SMBRP-8 (EC-RC-MW01)	7/10/2018	48.69	27.96	20.73
SMBRP-8 (EC-RC-MW01)	8/20/2018	48.69	28.60	20.09
SMBRP-8 (EC-RC-MW01)	9/17/2018	48.69	28.00	20.69
SMBRP-8 (EC-RC-MW01)	10/4/2018	48.69	29.39	19.30
SMBRP-8 (EC-RC-MW01)	11/5/2018	48.69	29.60	19.09
SMBRP-8 (EC-RC-MW01)	12/17/2018	48.69	29.10	19.59

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-9	8/24/2015	50.32	38.24	12.08
SMBRP-9	9/21/2015	50.32	38.46	11.86
SMBRP-9	10/20/2015	50.32	38.62	11.70
SMBRP-9	11/16/2015	50.32	N/A	-
SMBRP-9	12/14/2015	50.32	38.86	11.46
SMBRP-9	1/14/2016	50.32	38.95	11.37
SMBRP-9	2/16/2016	50.32	39.03	11.29
SMBRP-9	3/14/2016	50.32	38.97	11.35
SMBRP-9	4/25/2016	50.32	38.82	11.50
SMBRP-9	5/16/2016	50.32	38.82	11.50
SMBRP-9	6/17/2016	50.32	38.86	11.46
SMBRP-9	7/20/2016	50.32	39.06	11.26
SMBRP-9	8/20/2016	50.32	39.17	11.15
SMBRP-9	9/19/2016	50.32	39.33	10.99
SMBRP-9	10/21/2016	50.32	39.55	10.77
SMBRP-9	11/18/2016	50.32	39.67	10.65
SMBRP-9	12/19/2016	50.32	39.79	10.53
SMBRP-9	1/17/2017	50.32	39.82	10.50
SMBRP-9	2/24/2017	50.32	38.75	11.57
SMBRP-9	3/27/2017	50.32	37.59	12.73
SMBRP-9	4/17/2017	50.32	36.88	13.44
SMBRP-9	5/22/2017	50.32	35.82	14.50
SMBRP-9	6/20/2017	50.32	35.41	14.91
SMBRP-9	7/28/2017	50.32	35.13	15.19
SMBRP-9	8/25/2017	50.32	35.18	15.14
SMBRP-9	9/11/2017	50.32	35.48	14.84
SMBRP-9	10/16/2017	50.32	35.86	14.46
SMBRP-9	11/15/2017	50.32	36.24	14.08
SMBRP-9	12/11/2017	50.32	36.48	13.84
SMBRP-9	1/22/2018	50.32	36.94	13.38
SMBRP-9	2/14/2018	50.32	37.01	13.31
SMBRP-9	3/19/2018	50.32	36.88	13.44
SMBRP-9	4/23/2018	50.32	36.37	13.95
SMBRP-9	5/10/2018	50.32	36.65	13.67
SMBRP-9	6/19/2018	50.32	36.60	13.72
SMBRP-9	7/10/2018	50.32	36.84	13.48
SMBRP-9	8/20/2018	50.32	37.20	13.12
SMBRP-9	9/17/2018	50.32	37.30	13.02
SMBRP-9	10/4/2018	50.32	37.57	12.75
SMBRP-9	11/5/2018	50.32	37.89	12.43
SMBRP-9	12/17/2018	50.32	37.20	13.12

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-10C	8/24/2015	16.25	7.37	8.88
SMBRP-10C	9/21/2015	16.25	7.64	8.61
SMBRP-10C	10/20/2015	16.25	7.96	8.29
SMBRP-10C	11/16/2015	16.25	8.16	8.09
SMBRP-10C	12/14/2015	16.25	8.06	8.19
SMBRP-10C	1/14/2016	16.25	6.11	10.14
SMBRP-10C	2/16/2016	16.25	6.57	9.68
SMBRP-10C	3/14/2016	16.25	4.80	11.45
SMBRP-10C	4/25/2016	16.25	6.59	9.66
SMBRP-10C	5/16/2016	16.25	6.86	9.39
SMBRP-10C	6/17/2016	16.25	6.90	9.35
SMBRP-10C	7/20/2016	16.25	7.72	8.53
SMBRP-10C	8/20/2016	16.25	8.12	8.13
SMBRP-10C	9/19/2016	16.25	8.54	7.71
SMBRP-10C	10/21/2016	16.25	8.78	7.47
SMBRP-10C	11/18/2016	16.25	8.89	7.36
SMBRP-10C	12/19/2016	16.25	7.95	8.30
SMBRP-10C	1/17/2017	16.25	2.72	13.53
SMBRP-10C	2/24/2017	16.25	0.99	15.26
SMBRP-10C	3/27/2017	16.25	2.06	14.19
SMBRP-10C	4/17/2017	16.25	3.97	12.28
SMBRP-10C	5/22/2017	16.25	5.52	10.73
SMBRP-10C	6/20/2017	16.25	6.22	10.03
SMBRP-10C	7/28/2017	16.25	6.89	9.36
SMBRP-10C	8/25/2017	16.25	7.28	8.97
SMBRP-10C	9/11/2017	16.25	7.51	8.74
SMBRP-10C	10/16/2017	16.25	7.37	8.88
SMBRP-10C	11/15/2017	16.25	7.38	8.87
SMBRP-10C	12/11/2017	16.25	7.43	8.82
SMBRP-10C	1/22/2018	16.25	6.82	9.43
SMBRP-10C	2/14/2018	16.25	6.95	9.30
SMBRP-10C	3/19/2018	16.25	5.71	10.54
SMBRP-10C	4/23/2018	16.25	5.91	10.34
SMBRP-10C	5/10/2018	16.25	6.07	10.18
SMBRP-10C	6/19/2018	16.25	6.68	9.57
SMBRP-10C	7/10/2018	16.25	7.00	9.25
SMBRP-10C	8/20/2018	16.25	7.33	8.92
SMBRP-10C	9/17/2018	16.25	7.45	8.80
SMBRP-10C	10/4/2018	16.25	7.65	8.60
SMBRP-10C	11/5/2018	16.25	7.75	8.50
SMBRP-10C	12/17/2018	16.25	6.55	9.70

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-12	8/24/2015	12.62	7.52	5.10
SMBRP-12	9/21/2015	12.62	6.91	5.71
SMBRP-12	10/20/2015	12.62	6.72	5.90
SMBRP-12	11/16/2015	12.62	6.75	5.87
SMBRP-12	12/14/2015	12.62	6.42	6.20
SMBRP-12	1/14/2016	12.62	6.95	5.67
SMBRP-12	2/16/2016	12.62	6.85	5.77
SMBRP-12	3/14/2016	12.62	6.09	6.53
SMBRP-12	4/25/2016	12.62	6.76	5.86
SMBRP-12	5/16/2016	12.62	6.40	6.22
SMBRP-12	6/17/2016	12.62	5.39	7.23
SMBRP-12	7/20/2016	12.62	6.05	6.57
SMBRP-12	8/20/2016	12.62	6.85	5.77
SMBRP-12	9/19/2016	12.62	6.44	6.18
SMBRP-12	10/21/2016	12.62	8.09	4.53
SMBRP-12	11/18/2016	12.62	6.52	6.10
SMBRP-12	12/19/2016	12.62	7.16	5.46
SMBRP-12	1/17/2017	12.62	6.48	6.14
SMBRP-12	2/24/2017	12.62	7.61	5.01
SMBRP-12	3/27/2017	12.62	6.96	5.66
SMBRP-12	4/17/2017	12.62	7.29	5.33
SMBRP-12	5/22/2017	12.62	7.63	4.99
SMBRP-12	6/20/2017	12.62	7.19	5.43
SMBRP-12	7/28/2017	12.62	6.68	5.94
SMBRP-12	8/25/2017	12.62	6.76	5.86
SMBRP-12	9/11/2017	12.62	7.02	5.60
SMBRP-12	10/16/2017	12.62	6.88	5.74
SMBRP-12	11/15/2017	12.62	7.08	5.54
SMBRP-12	12/11/2017	12.62	7.17	5.45
SMBRP-12	1/22/2018	12.62	7.17	5.45
SMBRP-12	2/14/2018	12.62	6.36	6.26
SMBRP-12	3/19/2018	12.62	6.32	6.30
SMBRP-12	4/23/2018	12.62	8.01	4.61
SMBRP-12	5/10/2018	12.62	8.05	4.57
SMBRP-12	6/19/2018	12.62	7.26	5.36
SMBRP-12	7/10/2018	12.62	4.85	7.77
SMBRP-12	8/20/2018	12.62	6.50	6.12
SMBRP-12	9/17/2018	12.62	6.63	5.99
SMBRP-12	10/4/2018	12.62	5.99	6.63
SMBRP-12	11/5/2018	12.62	7.29	5.33
SMBRP-12	12/17/2018	12.62	6.78	5.84

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-13	8/24/2015	13.58	8.32	5.26
SMBRP-13	9/21/2015	13.58	7.98	5.60
SMBRP-13	10/20/2015	13.58	8.20	5.38
SMBRP-13	11/16/2015	13.58	7.87	5.71
SMBRP-13	12/14/2015	13.58	6.85	6.73
SMBRP-13	1/14/2016	13.58	8.24	5.34
SMBRP-13	2/16/2016	13.58	8.00	5.58
SMBRP-13	3/14/2016	13.58	7.61	5.97
SMBRP-13	4/25/2016	13.58	7.66	5.92
SMBRP-13	5/16/2016	13.58	6.92	6.66
SMBRP-13	6/17/2016	13.58	7.52	6.06
SMBRP-13	7/20/2016	13.58	8.30	5.28
SMBRP-13	8/20/2016	13.58	8.03	5.55
SMBRP-13	9/19/2016	13.58	7.45	6.13
SMBRP-13	10/21/2016	13.58	8.33	5.25
SMBRP-13	11/18/2016	13.58	7.14	6.44
SMBRP-13	12/19/2016	13.58	8.34	5.24
SMBRP-13	1/17/2017	13.58	7.48	6.10
SMBRP-13	2/24/2017	13.58	9.32	4.26
SMBRP-13	3/27/2017	13.58	7.83	5.75
SMBRP-13	4/17/2017	13.58	8.55	5.03
SMBRP-13	5/22/2017	13.58	8.81	4.77
SMBRP-13	6/20/2017	13.58	7.78	5.80
SMBRP-13	7/28/2017	13.58	8.01	5.57
SMBRP-13	8/25/2017	13.58	8.04	5.54
SMBRP-13	9/11/2017	13.58	8.42	5.16
SMBRP-13	10/16/2017	13.58	8.05	5.53
SMBRP-13	11/15/2017	13.58	8.20	5.38
SMBRP-13	12/11/2017	13.58	9.00	4.58
SMBRP-13	1/22/2018	13.58	8.46	5.12
SMBRP-13	2/14/2018	13.58	7.85	5.73
SMBRP-13	3/19/2018	13.58	8.53	5.05
SMBRP-13	4/23/2018	13.58	8.40	5.18
SMBRP-13	5/10/2018	13.58	8.09	5.49
SMBRP-13	6/19/2018	13.58	8.00	5.58
SMBRP-13	7/10/2018	13.58	7.85	5.73
SMBRP-13	8/20/2018	13.58	8.38	5.20
SMBRP-13	9/17/2018	13.58	8.33	5.25
SMBRP-13	10/4/2018	13.58	8.79	4.79
SMBRP-13	11/5/2018	13.58	8.78	4.80
SMBRP-13	12/17/2018	13.58	8.50	5.08

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-15B	8/24/2015	16.77	dry	-
SMBRP-15B	9/21/2015	16.77	dry	-
SMBRP-15B	10/20/2015	16.77	dry	-
SMBRP-15B	11/16/2015	16.77	dry	-
SMBRP-15B	12/14/2015	16.77	dry	-
SMBRP-15B	1/14/2016	16.77	dry	-
SMBRP-15B	2/16/2016	16.77	dry	-
SMBRP-15B	3/14/2016	16.77	dry	-
SMBRP-15B	4/25/2016	16.77	dry	-
SMBRP-15B	5/16/2016	16.77	dry	-
SMBRP-15B	6/17/2016	16.77	dry	-
SMBRP-15B	7/20/2016	16.77	dry	-
SMBRP-15B	8/20/2016	16.77	dry	-
SMBRP-15B	9/19/2016	16.77	dry	-
SMBRP-15B	10/21/2016	16.77	dry	-
SMBRP-15B	11/18/2016	16.77	dry	-
SMBRP-15B	12/19/2016	16.77	dry	-
SMBRP-15B	1/17/2017	16.77	dry	-
SMBRP-15B	2/24/2017	16.77	dry	-
SMBRP-15B	3/27/2017	16.77	dry	-
SMBRP-15B	4/17/2017	16.77	dry	-
SMBRP-15B	5/22/2017	16.77	dry	-
SMBRP-15B	6/20/2017	16.77	dry	-
SMBRP-15B	7/28/2017	16.77	dry	-
SMBRP-15B	8/25/2017	16.77	dry	-
SMBRP-15B	9/11/2017	16.77	dry	-
SMBRP-15B	10/16/2017	16.77	dry	-
SMBRP-15B	11/15/2017	16.77	dry	-
SMBRP-15B	12/11/2017	16.77	dry	-
SMBRP-15B	1/22/2018	16.77	dry	-
SMBRP-15B	2/14/2018	16.77	dry	-
SMBRP-15B	3/19/2018	16.77	dry	-
SMBRP-15B	4/23/2018	16.77	dry	-
SMBRP-15B	5/10/2018	16.77	dry	-
SMBRP-15B	6/19/2018	16.77	dry	-
SMBRP-15B	7/10/2018	16.77	dry	-
SMBRP-15B	8/20/2018	16.77	dry	-
SMBRP-15B	9/17/2018	16.77	dry	-
SMBRP-15B	10/4/2018	16.77	Dry	-
SMBRP-15B	11/5/2018	16.77	Dry	-
SMBRP-15B	12/17/2018	16.77	Dry	-

Table 1
Groundwater Elevations

Shallow Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-16	8/24/2015	14.50	4.95	9.55
SMBRP-16	9/21/2015	14.50	4.96	9.54
SMBRP-16	10/20/2015	14.50	5.34	9.16
SMBRP-16	11/16/2015	14.50	5.55	8.95
SMBRP-16	12/14/2015	14.50	5.59	8.91
SMBRP-16	1/14/2016	14.50	3.79	10.71
SMBRP-16	2/16/2016	14.50	4.60	9.90
SMBRP-16	3/14/2016	14.50	5.27	9.23
SMBRP-16	4/25/2016	14.50	4.65	9.85
SMBRP-16	5/16/2016	14.50	4.92	9.58
SMBRP-16	6/17/2016	14.50	5.15	9.35
SMBRP-16	7/20/2016	14.50	5.49	9.01
SMBRP-16	8/20/2016	14.50	5.72	8.78
SMBRP-16	9/19/2016	14.50	5.92	8.58
SMBRP-16	10/21/2016	14.50	6.18	8.32
SMBRP-16	11/18/2016	14.50	6.02	8.48
SMBRP-16	12/19/2016	14.50	5.23	9.27
SMBRP-16	1/17/2017	14.50	2.54	11.96
SMBRP-16	2/24/2017	14.50	0.51	13.99
SMBRP-16	3/27/2017	14.50	2.61	11.89
SMBRP-16	4/17/2017	14.50	4.28	10.22
SMBRP-16	5/22/2017	14.50	N/A	-
SMBRP-16	6/20/2017	14.50	N/A	-
SMBRP-16	7/28/2017	14.50	6.42	8.08
SMBRP-16	8/25/2017	14.50	6.63	7.87
SMBRP-16	9/11/2017	14.50	6.51	7.99
SMBRP-16	10/16/2017	14.50	4.84	9.66
SMBRP-16	11/15/2017	14.50	4.47	10.03
SMBRP-16	12/11/2017	14.50	4.80	9.70
SMBRP-16	1/22/2018	14.50	8.25	6.25
SMBRP-16	2/14/2018	14.50	4.83	9.67
SMBRP-16	3/19/2018	14.50	3.45	11.05
SMBRP-16	5/10/2018	14.50	3.85	10.65
SMBRP-16	4/23/2018	14.50	3.72	10.78
SMBRP-16	6/19/2018	14.50	4.46	10.04
SMBRP-16	7/10/2018	14.50	4.75	9.75
SMBRP-16	8/20/2018	14.50	5.02	9.48
SMBRP-16	9/17/2018	14.50	covered	-
SMBRP-16	10/4/2018	14.50	5.23	9.27
SMBRP-16	11/5/2018	14.50	5.40	9.10
SMBRP-16	12/17/2018	14.50	4.15	10.35

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW01	8/24/2015	17.90	10.22	7.68
MCWP-MW01	9/21/2015	17.90	9.71	8.19
MCWP-MW01	10/20/2015	17.90	10.00	7.90
MCWP-MW01	11/16/2015	17.90	9.91	7.99
MCWP-MW01	12/14/2015	17.90	9.23	8.67
MCWP-MW01	1/14/2016	17.90	10.45	7.45
MCWP-MW01	2/16/2016	17.90	11.02	6.88
MCWP-MW01	3/14/2016	17.90	10.53	7.37
MCWP-MW01	4/25/2016	17.90	10.89	7.01
MCWP-MW01	5/16/2016	17.90	10.70	7.20
MCWP-MW01	6/17/2016	17.90	10.75	7.15
MCWP-MW01	7/20/2016	17.90	11.09	6.81
MCWP-MW01	8/20/2016	17.90	11.30	6.60
MCWP-MW01	9/19/2016	17.90	11.13	6.77
MCWP-MW01	10/21/2016	17.90	11.19	6.71
MCWP-MW01	11/18/2016	17.90	9.94	7.96
MCWP-MW01	12/19/2016	17.90	10.56	7.34
MCWP-MW01	1/17/2017	17.90	10.17	7.73
MCWP-MW01	2/24/2017	17.90	10.68	7.22
MCWP-MW01	3/27/2017	17.90	11.47	6.43
MCWP-MW01	4/17/2017	17.90	11.33	6.57
MCWP-MW01	5/22/2017	17.90	11.83	6.07
MCWP-MW01	6/20/2017	17.90	10.47	7.43
MCWP-MW01	7/28/2017	17.90	10.45	7.45
MCWP-MW01	8/25/2017	17.90	10.29	7.61
MCWP-MW01	9/11/2017	17.90	10.60	7.30
MCWP-MW01	10/16/2017	17.90	10.06	7.84
MCWP-MW01	11/15/2017	17.90	9.99	7.91
MCWP-MW01	12/11/2017	17.90	11.57	6.33
MCWP-MW01	1/22/2018	17.90	10.70	7.20
MCWP-MW01	2/14/2018	17.90	10.49	7.41
MCWP-MW01	3/19/2018	17.90	10.33	7.57
MCWP-MW01	4/23/2018	17.90	11.19	6.71
MCWP-MW01	5/10/2018	17.90	10.26	7.64
MCWP-MW01	6/19/2018	17.90	10.31	7.59
MCWP-MW01	7/10/2018	17.90	10.14	7.76
MCWP-MW01	8/20/2018	17.90	10.19	7.71
MCWP-MW01	9/17/2018	17.90	10.50	7.40
MCWP-MW01	10/4/2018	17.90	10.27	7.63
MCWP-MW01	11/5/2018	17.90	10.05	7.85
MCWP-MW01	12/17/2018	17.90	11.05	6.85

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW02	8/24/2015	18.06	10.39	7.67
MCWP-MW02	9/21/2015	18.06	9.92	8.14
MCWP-MW02	10/20/2015	18.06	10.25	7.81
MCWP-MW02	11/16/2015	18.06	10.16	7.90
MCWP-MW02	12/14/2015	18.06	9.14	8.92
MCWP-MW02	1/14/2016	18.06	10.68	7.38
MCWP-MW02	2/16/2016	18.06	11.13	6.93
MCWP-MW02	3/14/2016	18.06	10.72	7.34
MCWP-MW02	4/25/2016	18.06	11.08	6.98
MCWP-MW02	5/16/2016	18.06	10.55	7.51
MCWP-MW02	6/17/2016	18.06	10.82	7.24
MCWP-MW02	7/20/2016	18.06	11.10	6.96
MCWP-MW02	8/20/2016	18.06	11.35	6.71
MCWP-MW02	9/19/2016	18.06	11.59	6.47
MCWP-MW02	10/21/2016	18.06	11.41	6.65
MCWP-MW02	11/18/2016	18.06	10.16	7.90
MCWP-MW02	12/19/2016	18.06	10.82	7.24
MCWP-MW02	1/17/2017	18.06	10.44	7.62
MCWP-MW02	2/24/2017	18.06	10.68	7.38
MCWP-MW02	3/27/2017	18.06	11.96	6.10
MCWP-MW02	4/17/2017	18.06	11.35	6.71
MCWP-MW02	5/22/2017	18.06	12.03	6.03
MCWP-MW02	6/20/2017	18.06	10.74	7.32
MCWP-MW02	7/28/2017	18.06	10.56	7.50
MCWP-MW02	8/25/2017	18.06	10.62	7.44
MCWP-MW02	9/11/2017	18.06	10.79	7.27
MCWP-MW02	10/16/2017	18.06	10.28	7.78
MCWP-MW02	11/15/2017	18.06	10.49	7.57
MCWP-MW02	12/11/2017	18.06	8.65	9.41
MCWP-MW02	1/22/2018	18.06	10.95	7.11
MCWP-MW02	2/14/2018	18.06	10.71	7.35
MCWP-MW02	3/19/2018	18.06	10.64	7.42
MCWP-MW02	4/23/2018	18.06	11.09	6.97
MCWP-MW02	5/10/2018	18.06	10.16	7.90
MCWP-MW02	6/19/2018	18.06	10.18	7.88
MCWP-MW02	7/10/2018	18.06	10.18	7.88
MCWP-MW02	8/20/2018	18.06	10.32	7.74
MCWP-MW02	9/17/2018	18.06	10.45	7.61
MCWP-MW02	10/4/2018	18.06	10.30	7.76
MCWP-MW02	11/5/2018	18.06	10.60	7.46
MCWP-MW02	12/17/2018	18.06	12.37	5.69

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW03	9/21/2015	15.31	7.52	7.79
MCWP-MW03	10/20/2015	15.31	7.78	7.53
MCWP-MW03	11/16/2015	15.31	7.34	7.97
MCWP-MW03	12/14/2015	15.31	6.75	8.56
MCWP-MW03	1/14/2016	15.31	8.38	6.93
MCWP-MW03	2/16/2016	15.31	8.43	6.88
MCWP-MW03	3/14/2016	15.31	8.05	7.26
MCWP-MW03	4/25/2016	15.31	8.63	6.68
MCWP-MW03	5/16/2016	15.31	8.35	6.96
MCWP-MW03	6/17/2016	15.31	8.50	6.81
MCWP-MW03	7/20/2016	15.31	8.30	7.01
MCWP-MW03	8/20/2016	15.31	8.87	6.44
MCWP-MW03	9/19/2016	15.31	8.23	7.08
MCWP-MW03	10/21/2016	15.31	8.94	6.37
MCWP-MW03	11/18/2016	15.31	7.64	7.67
MCWP-MW03	12/19/2016	15.31	8.09	7.22
MCWP-MW03	1/17/2017	15.31	7.63	7.68
MCWP-MW03	2/24/2017	15.31	N/A	-
MCWP-MW03	3/27/2017	15.31	N/A	-
MCWP-MW03	4/17/2017	15.31	N/A	-
MCWP-MW03	5/22/2017	15.31	N/A	-
MCWP-MW03	6/20/2017	15.31	N/A	-
MCWP-MW03	7/28/2017	15.31	8.02	7.29
MCWP-MW03	8/25/2017	15.31	7.58	7.73
MCWP-MW03	9/11/2017	15.31	7.92	7.39
MCWP-MW03	10/16/2017	15.31	7.39	7.92
MCWP-MW03	11/15/2017	15.31	7.70	7.61
MCWP-MW03	12/11/2017	15.31	9.25	6.06
MCWP-MW03	1/22/2018	15.31	8.14	7.17
MCWP-MW03	2/14/2018	15.31	8.47	6.84
MCWP-MW03	3/19/2018	15.31	8.12	7.19
MCWP-MW03	4/23/2018	15.31	9.21	6.10
MCWP-MW03	5/10/2018	15.31	8.10	7.21
MCWP-MW03	6/19/2018	15.31	8.48	6.83
MCWP-MW03	7/10/2018	15.31	7.90	7.41
MCWP-MW03	8/20/2018	15.31	7.90	7.41
MCWP-MW03	9/17/2018	15.31	7.81	7.50
MCWP-MW03	10/4/2018	15.31	8.06	7.25
MCWP-MW03	11/5/2018	15.31	7.02	8.29
MCWP-MW03	12/17/2018	15.31	8.74	6.57

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW04D	8/24/2015	15.43	9.35	6.08
MCWP-MW04D	9/21/2015	15.43	8.84	6.59
MCWP-MW04D	10/20/2015	15.43	9.16	6.27
MCWP-MW04D	11/16/2015	15.43	9.13	6.30
MCWP-MW04D	12/14/2015	15.43	8.39	7.04
MCWP-MW04D	1/14/2016	15.43	9.59	5.84
MCWP-MW04D	2/16/2016	15.43	10.24	5.19
MCWP-MW04D	3/14/2016	15.43	9.69	5.74
MCWP-MW04D	4/25/2016	15.43	10.07	5.36
MCWP-MW04D	5/16/2016	15.43	9.83	5.60
MCWP-MW04D	6/17/2016	15.43	9.97	5.46
MCWP-MW04D	7/20/2016	15.43	10.22	5.21
MCWP-MW04D	8/20/2016	15.43	10.33	5.10
MCWP-MW04D	9/19/2016	15.43	10.32	5.11
MCWP-MW04D	10/21/2016	15.43	10.40	5.03
MCWP-MW04D	11/18/2016	15.43	9.12	6.31
MCWP-MW04D	12/19/2016	15.43	9.68	5.75
MCWP-MW04D	1/17/2017	15.43	9.34	6.09
MCWP-MW04D	2/24/2017	15.43	9.83	5.60
MCWP-MW04D	3/27/2017	15.43	10.61	4.82
MCWP-MW04D	4/17/2017	15.43	10.51	4.92
MCWP-MW04D	5/22/2017	15.43	10.99	4.44
MCWP-MW04D	6/20/2017	15.43	9.62	5.81
MCWP-MW04D	7/28/2017	15.43	9.62	5.81
MCWP-MW04D	8/25/2017	15.43	9.46	5.97
MCWP-MW04D	9/11/2017	15.43	9.72	5.71
MCWP-MW04D	10/16/2017	15.43	9.24	6.19
MCWP-MW04D	11/15/2017	15.43	9.13	6.30
MCWP-MW04D	12/11/2017	15.43	10.78	4.65
MCWP-MW04D	1/22/2018	15.43	9.84	5.59
MCWP-MW04D	2/14/2018	15.43	9.59	5.84
MCWP-MW04D	3/19/2018	15.43	9.56	5.87
MCWP-MW04D	4/23/2018	15.43	10.41	5.02
MCWP-MW04D	5/10/2018	15.43	9.49	5.94
MCWP-MW04D	6/19/2018	15.43	9.56	5.87
MCWP-MW04D	7/10/2018	15.43	9.24	6.19
MCWP-MW04D	8/20/2018	15.43	9.41	6.02
MCWP-MW04D	9/17/2018	15.43	9.20	6.23
MCWP-MW04D	10/4/2018	15.43	9.44	5.99
MCWP-MW04D	11/5/2018	15.43	9.20	6.23
MCWP-MW04D	12/17/2018	15.43	10.24	5.19

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW05	8/24/2015	13.92	7.62	6.30
MCWP-MW05	9/21/2015	13.92	7.30	6.62
MCWP-MW05	10/20/2015	13.92	7.47	6.45
MCWP-MW05	11/16/2015	13.92	7.42	6.50
MCWP-MW05	12/14/2015	13.92	6.39	7.53
MCWP-MW05	1/14/2016	13.92	7.82	6.10
MCWP-MW05	2/16/2016	13.92	8.37	5.55
MCWP-MW05	3/14/2016	13.92	7.96	5.96
MCWP-MW05	4/25/2016	13.92	8.27	5.65
MCWP-MW05	5/16/2016	13.92	7.78	6.14
MCWP-MW05	6/17/2016	13.92	8.05	5.87
MCWP-MW05	7/20/2016	13.92	8.41	5.51
MCWP-MW05	8/20/2016	13.92	8.69	5.23
MCWP-MW05	9/19/2016	13.92	8.98	4.94
MCWP-MW05	10/21/2016	13.92	N/A	-
MCWP-MW05	11/18/2016	13.92	N/A	-
MCWP-MW05	12/19/2016	13.92	N/A	-
MCWP-MW05	1/17/2017	13.92	N/A	-
MCWP-MW05	2/24/2017	13.92	N/A	-
MCWP-MW05	3/27/2017	13.92	8.39	5.53
MCWP-MW05	4/17/2017	13.92	8.48	5.44
MCWP-MW05	5/22/2017	13.92	N/A	-
MCWP-MW05	6/20/2017	13.92	N/A	-
MCWP-MW05	7/28/2017	13.92	N/A	-
MCWP-MW05	8/25/2017	13.92	N/A	-
MCWP-MW05	9/11/2017	13.92	8.15	5.77
MCWP-MW05	10/16/2017	13.92	7.48	6.44
MCWP-MW05	11/15/2017	13.92	7.41	6.51
MCWP-MW05	12/11/2017	13.92	8.78	5.14
MCWP-MW05	1/22/2018	13.92	8.04	5.88
MCWP-MW05	2/14/2018	13.92	8.10	5.82
MCWP-MW05	3/19/2018	13.92	7.74	6.18
MCWP-MW05	4/23/2018	13.92	8.18	5.74
MCWP-MW05	5/10/2018	13.92	7.36	6.56
MCWP-MW05	6/19/2018	13.92	7.43	6.49
MCWP-MW05	7/10/2018	13.92	7.34	6.58
MCWP-MW05	8/20/2018	13.92	7.50	6.42
MCWP-MW05	9/17/2018	13.92	7.41	6.51
MCWP-MW05	10/4/2018	13.92	7.51	6.41
MCWP-MW05	11/5/2018	13.92	7.30	6.62
MCWP-MW05	12/17/2018	13.92	8.35	5.57

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW06	8/24/2015	16.05	9.87	6.18
MCWP-MW06	9/21/2015	16.05	9.40	6.65
MCWP-MW06	10/20/2015	16.05	9.71	6.34
MCWP-MW06	11/16/2015	16.05	9.61	6.44
MCWP-MW06	12/14/2015	16.05	8.64	7.41
MCWP-MW06	1/14/2016	16.05	10.12	5.93
MCWP-MW06	2/16/2016	16.05	10.58	5.47
MCWP-MW06	3/14/2016	16.05	10.14	5.91
MCWP-MW06	4/25/2016	16.05	10.49	5.56
MCWP-MW06	5/16/2016	16.05	10.06	5.99
MCWP-MW06	6/17/2016	16.05	10.27	5.78
MCWP-MW06	7/20/2016	16.05	10.60	5.45
MCWP-MW06	8/20/2016	16.05	10.86	5.19
MCWP-MW06	9/19/2016	16.05	11.07	4.98
MCWP-MW06	10/21/2016	16.05	10.90	5.15
MCWP-MW06	11/18/2016	16.05	9.62	6.43
MCWP-MW06	12/19/2016	16.05	10.20	5.85
MCWP-MW06	1/17/2017	16.05	9.87	6.18
MCWP-MW06	2/24/2017	16.05	10.05	6.00
MCWP-MW06	3/27/2017	16.05	11.41	4.64
MCWP-MW06	4/17/2017	16.05	10.81	5.24
MCWP-MW06	5/22/2017	16.05	11.43	4.62
MCWP-MW06	6/20/2017	16.05	10.16	5.89
MCWP-MW06	7/28/2017	16.05	10.03	6.02
MCWP-MW06	8/25/2017	16.05	10.06	5.99
MCWP-MW06	9/11/2017	16.05	10.41	5.64
MCWP-MW06	10/16/2017	16.05	9.72	6.33
MCWP-MW06	11/15/2017	16.05	9.91	6.14
MCWP-MW06	12/11/2017	16.05	11.10	4.95
MCWP-MW06	1/22/2018	16.05	10.34	5.71
MCWP-MW06	2/14/2018	16.05	10.19	5.86
MCWP-MW06	3/19/2018	16.05	9.86	6.19
MCWP-MW06	4/23/2018	16.05	10.67	5.38
MCWP-MW06	5/10/2018	16.05	9.67	6.38
MCWP-MW06	6/19/2018	16.05	9.71	6.34
MCWP-MW06	7/10/2018	16.05	9.64	6.41
MCWP-MW06	8/20/2018	16.05	9.78	6.27
MCWP-MW06	9/17/2018	16.05	9.60	6.45
MCWP-MW06	10/4/2018	16.05	9.75	6.30
MCWP-MW06	11/5/2018	16.05	9.85	6.20
MCWP-MW06	12/17/2018	16.05	10.61	5.44

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW07D	8/24/2015	13.21	7.51	5.70
MCWP-MW07D	9/21/2015	13.21	7.44	5.77
MCWP-MW07D	10/20/2015	13.21	7.67	5.54
MCWP-MW07D	11/16/2015	13.21	7.27	5.94
MCWP-MW07D	12/14/2015	13.21	6.59	6.62
MCWP-MW07D	1/14/2016	13.21	8.32	4.89
MCWP-MW07D	2/16/2016	13.21	8.32	4.89
MCWP-MW07D	3/14/2016	13.21	7.92	5.29
MCWP-MW07D	4/25/2016	13.21	8.47	4.74
MCWP-MW07D	5/16/2016	13.21	8.26	4.95
MCWP-MW07D	6/17/2016	13.21	8.45	4.76
MCWP-MW07D	7/20/2016	13.21	8.18	5.03
MCWP-MW07D	8/20/2016	13.21	8.77	4.44
MCWP-MW07D	9/19/2016	13.21	8.12	5.09
MCWP-MW07D	10/21/2016	13.21	8.81	4.40
MCWP-MW07D	11/18/2016	13.21	7.54	5.67
MCWP-MW07D	12/19/2016	13.21	7.99	5.22
MCWP-MW07D	1/17/2017	13.21	7.52	5.69
MCWP-MW07D	2/24/2017	13.21	N/A	-
MCWP-MW07D	3/27/2017	13.21	N/A	-
MCWP-MW07D	4/17/2017	13.21	N/A	-
MCWP-MW07D	5/22/2017	13.21	N/A	-
MCWP-MW07D	6/20/2017	13.21	N/A	-
MCWP-MW07D	7/28/2017	13.21	7.91	5.30
MCWP-MW07D	8/25/2017	13.21	7.44	5.77
MCWP-MW07D	9/11/2017	13.21	7.91	5.30
MCWP-MW07D	10/16/2017	13.21	7.20	6.01
MCWP-MW07D	11/15/2017	13.21	7.54	5.67
MCWP-MW07D	12/11/2017	13.21	9.12	4.09
MCWP-MW07D	1/22/2018	13.21	8.02	5.19
MCWP-MW07D	2/14/2018	13.21	8.38	4.83
MCWP-MW07D	3/19/2018	13.21	7.83	5.38
MCWP-MW07D	4/23/2018	13.21	9.07	4.14
MCWP-MW07D	5/10/2018	13.21	7.98	5.23
MCWP-MW07D	6/19/2018	13.21	8.44	4.77
MCWP-MW07D	7/10/2018	13.21	7.74	5.47
MCWP-MW07D	8/20/2018	13.21	7.81	5.40
MCWP-MW07D	9/17/2018	13.21	7.73	5.48
MCWP-MW07D	10/4/2018	13.21	7.91	5.30
MCWP-MW07D	11/5/2018	13.21	6.91	6.30
MCWP-MW07D	12/17/2018	13.21	8.55	4.66

Table 1
Groundwater Elevations

Deep Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
MCWP-MW09	8/24/2015	16.30	5.69	10.61
MCWP-MW09	9/21/2015	16.30	5.42	10.88
MCWP-MW09	10/20/2015	16.30	5.68	10.62
MCWP-MW09	11/16/2015	16.30	5.50	10.80
MCWP-MW09	12/14/2015	16.30	4.75	11.55
MCWP-MW09	1/14/2016	16.30	6.37	9.93
MCWP-MW09	2/16/2016	16.30	6.42	9.88
MCWP-MW09	3/14/2016	16.30	6.04	10.26
MCWP-MW09	4/25/2016	16.30	6.38	9.92
MCWP-MW09	5/16/2016	16.30	5.85	10.45
MCWP-MW09	6/17/2016	16.30	5.96	10.34
MCWP-MW09	7/20/2016	16.30	6.44	9.86
MCWP-MW09	8/20/2016	16.30	6.54	9.76
MCWP-MW09	9/19/2016	16.30	6.26	10.04
MCWP-MW09	10/21/2016	16.30	6.71	9.59
MCWP-MW09	11/18/2016	16.30	5.68	10.62
MCWP-MW09	12/19/2016	16.30	6.31	9.99
MCWP-MW09	1/17/2017	16.30	5.79	10.51
MCWP-MW09	2/24/2017	16.30	6.78	9.52
MCWP-MW09	3/27/2017	16.30	7.12	9.18
MCWP-MW09	4/17/2017	16.30	6.83	9.47
MCWP-MW09	5/22/2017	16.30	7.72	8.58
MCWP-MW09	6/20/2017	16.30	6.24	10.06
MCWP-MW09	7/28/2017	16.30	5.76	10.54
MCWP-MW09	8/25/2017	16.30	5.78	10.52
MCWP-MW09	9/11/2017	16.30	5.85	10.45
MCWP-MW09	10/16/2017	16.30	5.90	10.40
MCWP-MW09	11/15/2017	16.30	5.70	10.60
MCWP-MW09	12/11/2017	16.30	7.10	9.20
MCWP-MW09	1/22/2018	16.30	6.31	9.99
MCWP-MW09	2/14/2018	16.30	7.30	9.00
MCWP-MW09	3/19/2018	16.30	7.71	8.59
MCWP-MW09	4/23/2018	16.30	6.90	9.40
MCWP-MW09	5/10/2018	16.30	6.04	10.26
MCWP-MW09	6/19/2018	16.30	6.01	10.29
MCWP-MW09	7/10/2018	16.30	7.40	8.90
MCWP-MW09	8/20/2018	16.30	5.74	10.56
MCWP-MW09	9/17/2018	16.30	5.77	10.53
MCWP-MW09	10/4/2018	16.30	7.08	9.22
MCWP-MW09	11/5/2018	16.30	5.83	10.47
MCWP-MW09	12/17/2018	16.30	7.30	9.00

Table 1
Groundwater Elevations

Winter Canyon Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
LAMW-5S	8/24/2015	104.55	53.71	50.84
LAMW-5S	9/21/2015	104.55	53.30	51.25
LAMW-5S	10/20/2015	104.55	53.74	50.81
LAMW-5S	11/16/2015	104.55	53.90	50.65
LAMW-5S	12/14/2015	104.55	53.54	51.01
LAMW-5S	1/14/2016	104.55	54.02	50.53
LAMW-5S	2/16/2016	104.55	53.69	50.86
LAMW-5S	3/14/2016	104.55	53.92	50.63
LAMW-5S	4/25/2016	104.55	53.88	50.67
LAMW-5S	5/16/2016	104.55	53.98	50.57
LAMW-5S	6/17/2016	104.55	53.97	50.58
LAMW-5S	7/20/2016	104.55	54.23	50.32
LAMW-5S	8/20/2016	104.55	54.42	50.13
LAMW-5S	9/19/2016	104.55	54.77	49.78
LAMW-5S	10/21/2016	104.55	55.00	49.55
LAMW-5S	11/18/2016	104.55	54.91	49.64
LAMW-5S	12/19/2016	104.55	53.83	50.72
LAMW-5S	1/17/2017	104.55	53.81	50.74
LAMW-5S	2/24/2017	104.55	50.54	54.01
LAMW-5S	3/27/2017	104.55	48.71	55.84
LAMW-5S	4/17/2017	104.55	48.24	56.31
LAMW-5S	5/22/2017	104.55	48.23	56.32
LAMW-5S	6/20/2017	104.55	48.39	56.16
LAMW-5S	7/28/2017	104.55	49.08	55.47
LAMW-5S	8/25/2017	104.55	49.77	54.78
LAMW-5S	9/11/2017	104.55	49.75	54.80
LAMW-5S	10/16/2017	104.55	50.99	53.56
LAMW-5S	11/15/2017	104.55	51.66	52.89
LAMW-5S	12/11/2017	104.55	52.42	52.13
LAMW-5S	1/22/2018	104.55	53.85	50.70
LAMW-5S	2/14/2018	104.55	54.38	50.17
LAMW-5S	3/19/2018	104.55	54.57	49.98
LAMW-5S	4/23/2018	104.55	54.20	50.35
LAMW-5S	5/10/2018	104.55	54.59	49.96
LAMW-5S	6/19/2018	104.55	54.60	49.95
LAMW-5S	7/10/2018	104.55	54.35	50.20
LAMW-5S	8/24/2018	104.55	53.68	50.87
LAMW-5S	9/17/2018	104.55	53.00	51.55
LAMW-5S	10/4/2018	104.55	52.92	51.63
LAMW-5S	11/5/2018	104.55	54.33	50.22
LAMW-5S	12/17/2018	104.55	51.93	52.62

Table 1
Groundwater Elevations

Winter Canyon Groundwater Monitoring Wells				
Well ID	**Date**	**TOC Elevation** (ft)	**Depth to Water** (ft bTOC)	**Groundwater Elevation**
SMBRP-11	8/24/2015	18.35	8.88	9.47
SMBRP-11	9/21/2015	18.35	8.70	9.65
SMBRP-11	10/20/2015	18.35	8.36	9.99
SMBRP-11	11/16/2015	18.35	8.64	9.71
SMBRP-11	12/14/2015	18.35	8.35	10.00
SMBRP-11	1/14/2016	18.35	8.00	10.35
SMBRP-11	2/16/2016	18.35	8.30	10.05
SMBRP-11	3/14/2016	18.35	7.89	10.46
SMBRP-11	4/25/2016	18.35	8.63	9.72
SMBRP-11	5/16/2016	18.35	8.62	9.73
SMBRP-11	6/17/2016	18.35	8.39	9.96
SMBRP-11	7/20/2016	18.35	8.00	10.35
SMBRP-11	8/20/2016	18.35	8.44	9.91
SMBRP-11	9/19/2016	18.35	8.56	9.79
SMBRP-11	10/21/2016	18.35	8.71	9.64
SMBRP-11	11/18/2016	18.35	8.47	9.88
SMBRP-11	12/19/2016	18.35	8.71	9.64
SMBRP-11	1/17/2017	18.35	7.81	10.54
SMBRP-11	2/24/2017	18.35	7.22	11.13
SMBRP-11	3/27/2017	18.35	7.97	10.38
SMBRP-11	4/17/2017	18.35	8.19	10.16
SMBRP-11	5/22/2017	18.35	8.45	9.90
SMBRP-11	6/20/2017	18.35	8.41	9.94
SMBRP-11	7/28/2017	18.35	8.25	10.10
SMBRP-11	8/25/2017	18.35	8.26	10.09
SMBRP-11	9/11/2017	18.35	8.50	9.85
SMBRP-11	10/16/2017	18.35	8.51	9.84
SMBRP-11	11/15/2017	18.35	8.57	9.78
SMBRP-11	12/11/2017	18.35	8.65	9.70
SMBRP-11	1/22/2018	18.35	8.54	9.81
SMBRP-11	2/14/2018	18.35	8.90	9.45
SMBRP-11	3/19/2018	18.35	8.62	9.73
SMBRP-11	4/23/2018	18.35	8.85	9.50
SMBRP-11	5/10/2018	18.35	9.04	9.31
SMBRP-11	6/19/2018	18.35	8.00	10.35
SMBRP-11	7/10/2018	18.35	7.86	10.49
SMBRP-11	8/24/2018	18.35	8.50	9.85
SMBRP-11	9/17/2018	18.35	8.33	10.02
SMBRP-11	10/4/2018	18.35	8.50	9.85
SMBRP-11	11/5/2018	18.35	8.30	10.05
SMBRP-11	12/17/2018	18.35	8.20	10.15

Notes:
N/A: well not accessible
'- : no data available
TOC: top of well casing
ft bTOC: feet below top of well casing
TOC elevation referenced to NAVD88

Table 2
Long-Term Groundwater and Surface Water Analysis Matrix

Groundwater	Long-Term GW Monitoring SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP	SNMP	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	Long-Term GW Monitoring SNMP MOU	SNMP MOU	SNMP MOU
Laboratory Analysis	*LAMW-5S*	*SMBRP-7B*	*SMBRP-9*	*SMBRP-11*[1]	*SMBRP-12*	*SMBRP-13*	*MBCMW-9*	*MCWP-MW04S*	*MCWP-MW04D*	*MCWP-MW05*	*MCWP-MW06*	*MCWP-MW07S*	*MCWP-MW07D*	*MCWP-MW09*	*MCWP-MW10*	*CCPE*
General Chemistry (Long-Term sampled quarterly, SNMP and MOU sampled semi-annually)																
General Chemistry (pH, Total Dissolved Solids, Sulfate, Chloride, Boron, Methylene Blue Active Substances [MBAS]/Foaming Agents)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Biological Oxygen Demand (BOD)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Turbidity (includes color and odor)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Total and Fecal Coliform	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Total Suspended Solids	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Residual Chlorine	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Total Organic Carbon	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Oil and Grease	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Nitrate as Nitrogen	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Nitrite as Nitrogen	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Nitrate and Nitrite as Nitrogen (calculation)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Ammonia Nitrogen	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Kjeldahl Nitrogen	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Organic Nitrogen (calculation)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Total Nitrogen (includes TKN)	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-
Total Phosphorous	✓	-	✓	✓	✓	-	-	✓	✓	-	-	✓	✓	✓	-	-

Surface Water	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring	Long-Term SW Monitoring
Laboratory Analysis (quarterly)	*N-001*	*N-002*	*N-003*	*N-004*	*L-001*	*L-002*	*L-003*	*L-004*	*L-005*	*L-006*
Total and Fecal Coliform	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrate as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Nitrite as Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ammonia Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Organic Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Kjeldahl Nitrogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Total Phosphorous	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Notes:
✓: Laboratory analysis completed
- : Sampling & analysis not required
[1]: TY-MW-1 was replaced by SMBRP-11 per LARWQCB correspondence with City of Malibu dated May 18, 2018

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	**Coliform Bacteria Analysis** (MPN/100mL)		**Inorganic Analysis** (mg/L)						
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Total Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous
Near Shore	Ankle Depth	N-001	9/25/2015	**70**	**46**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.76**
			12/1/2015	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.775**
			3/18/2016	<1.8	<1.8	**0.1**	<0.1	**0.937**	<0.2	**0.937**	**1.04**	**0.400**
			6/16/2016	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.658**
			9/23/2016	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.97**
			12/20/2016	**49**	**49**	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	**1.01**
			3/31/2017	**14**	**6.8**	**0.2**	<0.1	<0.5	<0.2	<0.5	**0.200**	**1.69**
			6/19/2017	**23**	**7.8**	<0.1	<0.1	**0.519**	<0.2	**0.596**	**0.596**	**2.06**
			8/29/2017	**23**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**2.10**
			12/28/2017	**2.0**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			4/13/2018	**49**	**2.0**	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	**0.101**
			5/25/2018	**4.0**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			8/28/2018	<2.0	<2.0	<0.1	<0.1	<0.5	<0.1	<0.4	0.0	**0.0680**
			11/6/2018	*NR*	*NR*	**0.16**	<5.0	<0.5	<0.1	<0.4	**0.160**	**0.0410**
			12/19/2018	**2,400**	<1.0	<0.1	<0.1	<0.5	<0.1	<0.4	<0.5	**0.0850**
		N-002	9/25/2015	**13**	**13**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.48**
			12/1/2015	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.38**
			3/18/2016	<1.8	<1.8	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	**1.42**
			6/16/2016	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.03**
			9/23/2016	**240**	**6.8**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.30**
			12/20/2016	<1.8	<1.8	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	**1.35**
			3/31/2017	**13**	<1.8	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	**0.127**
			6/19/2017	<1.8	<1.8	<0.1	<0.1	**2.25**	<0.2	**2.25**	**2.25**	**2.03**
			8/29/2017	**8**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**2.14**
			12/28/2017	**31**	**17**	**0.07**	<0.1	<0.5	<0.2	<0.5	**0.070**	<0.1
			4/13/2018	**46**	**21**	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	<0.1
			5/25/2018	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			8/28/2018	<2.0	<2.0	<0.1	<0.1	<0.5	<0.1	<0.4	0.0	**0.047**
			11/6/2018	*NR*	*NR*	**0.14**	<5.0	<0.5	**5.47**	<0.4	**0.140**	**0.031**
			12/19/2018	**>2,400**	<1.0	<0.1	<0.1	<0.5	<0.1	<0.4	<0.5	**0.0600**

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	Coliform Bacteria Analysis (MPN/100mL)		Inorganic Analysis (mg/L)						
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Total Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous
Near Shore	Ankle Depth	N-003	9/25/2015	**11**	**4.0**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.347**
			12/1/2015	**14**	**14**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.46**
			3/18/2016	**13**	<1.8	**0.1**	<0.1	**0.865**	<0.2	**0.865**	**0.965**	<0.1
			6/16/2016	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			9/23/2016	**2.0**	**2.0**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.46**
			12/20/2016	**79**	**79**	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	**1.31**
			3/31/2017	**350**	**33**	**0.1**	<0.1	**10.8**	<0.2	**10.8**	**10.9**	**0.467**
			6/19/2017	**7.8**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.474**
			8/29/2017	**7.8**	**2.0**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.15**
			12/28/2017	**17**	**14**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			4/13/2018	**17**	**17**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			5/25/2018	<1.8	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			8/28/2018	<2.0	**6.2**	<0.1	<0.1	<0.5	<0.1	<0.4	0.0	**0.0800**
			11/6/2018	*NR*	*NR*	**0.13**	<5.0	<0.5	**0.466**	<0.4	**0.230**	**0.279**
			12/19/2018	**>2,400**	**9.6**	**0.11**	<0.1	<0.5	<0.1	<0.4	**0.110**	**0.0840**
		N-004	9/25/2015	**14**	**9.3**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.288**
			12/1/2015	**2.0**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.01**
			3/18/2016	**2.0**	<1.8	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.100**	**0.648**
			6/16/2016	**6.8**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.25**
			9/23/2016	**4.5**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.29**
			12/20/2016	**7.8**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**1.29**
			3/31/2017	**6.8**	**2.0**	<0.1	**0.153**	<0.5	<0.2	<0.5	**0.153**	**1.87**
			6/19/2017	**7.8**	**7.8**	<0.1	<0.1	**0.647**	<0.2	**0.647**	**0.647**	**1.24**
			8/29/2017	**79**	**79**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			12/28/2017	**17**	**17**	**0.07**	<0.1	<0.5	<0.2	<0.5	**0.07**	**0.0440**
			4/13/2018	**4.5**	**4.5**	**0.1**	<0.1	<0.5	<0.2	<0.5	**0.10**	<0.1
			5/25/2018	**4.0**	<1.8	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			8/28/2018	<2.0	<2.0	<0.1	<0.1	<0.5	<0.1	<0.4	0.0	**0.0390**
			11/6/2018	*NR*	*NR*	<0.5	<0.5	**1.40**	<0.1	**1.40**	**1.40**	**0.175**
			12/19/2018	**>2,400**	<1.0	<0.1	<0.1	<0.5	<0.1	<0.4	<0.5	**0.400**

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	**Coliform Bacteria Analysis** (MPN/100mL)		**Inorganic Analysis** (mg/L)						
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Total Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous
Malibu Lagoon and Creek	1 foot BSW	L-001	9/25/2015	**920**	**49**	<0.1	<0.1	**2.26**	<0.2	**2.26**	**2.26**	**0.558**
			12/1/2015	**350**	**33**	<0.1	<0.1	**0.837**	<0.2	**0.837**	**0.837**	**0.218**
			3/18/2016	**350**	**23**	**0.3**	<0.1	**1.99**	<0.2	**1.99**	**2.29**	**0.635**
			6/16/2016	**350**	**4.5**	<0.1	<0.1	**0.696**	<0.2	**0.696**	**0.696**	**0.178**
			9/23/2016	**540**	**79**	<0.1	<0.1	**1.04**	<0.2	**1.04**	**1.04**	**0.153**
			12/20/2016	**1,600**	**49**	**3.2**	<0.1	<0.5	<0.2	<0.5	**3.20**	**0.934**
			3/31/2017	**540**	<1.8	**1.5**	<0.1	**1.84**	<0.2	**1.84**	**3.34**	**0.577**
			6/19/2017	**350**	**49**	**0.6**	<0.1	**0.617**	<0.2	**0.617**	**1.22**	**0.387**
			8/29/2017	**>1,600**	**130**	**0.2**	<0.1	**0.834**	<0.2	**0.834**	**1.03**	**0.156**
			12/28/2017	**1,600**	**70**	**0.7**	<0.1	<0.5	<0.2	<0.5	**0.700**	**0.174**
			4/13/2018	**>1,600**	**220**	**1.7**	<0.1	<0.5	<0.2	<0.5	**1.70**	**0.858**
			5/25/2018	**920**	**49**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.285**
			8/28/2018	**140**	**2.0**	<0.1	<0.1	**2.80**	<0.1	**2.80**	**2.80**	**0.491**
			11/6/2018	*NR*	*NR*	<0.5	<0.5	**1.40**	<0.1	**1.40**	**1.40**	**0.257**
			12/19/2018	**>2,400**	**41**	**3.17**	<0.1	**0.81**	<0.1	**0.81**	**3.98**	**0.903**
		L-002	9/25/2015	**920**	**49**	<0.1	<0.1	**1.83**	<0.2	**1.83**	**1.83**	**0.404**
			12/1/2015	**540**	**33**	<0.1	<0.1	**0.591**	<0.2	**0.591**	**0.591**	**0.226**
			3/18/2016	**280**	**49**	**0.6**	<0.1	**0.852**	<0.2	**0.852**	**1.45**	**0.379**
			6/16/2016	**33**	**2.0**	<0.1	<0.1	**0.964**	<0.2	**0.964**	**0.964**	<0.1
			9/23/2016	**14**	**4.5**	**0.1**	<0.1	**0.77**	<0.2	**0.77**	**0.870**	<0.1
			12/20/2016	**1,600**	**240**	**1.6**	<0.1	<0.5	<0.2	<0.5	**1.60**	**0.621**
			3/31/2017	**130**	**33**	**1.5**	<0.1	<0.5	<0.2	<0.5	**1.50**	**0.464**
			6/19/2017	**540**	**33**	**0.2**	<0.1	<0.5	<0.2	**0.604**	**0.804**	**0.459**
			8/29/2017	**>1,600**	**7.8**	<0.1	<0.1	**1.21**	<0.2	**1.21**	**1.21**	**0.161**
			12/28/2017	**240**	**33**	**0.2**	<0.1	<0.5	<0.2	<0.5	**0.200**	**0.056**
			4/13/2018	**>1,600**	**49**	**1.0**	<0.1	<0.5	<0.2	<0.5	**1.00**	**0.449**
			5/25/2018	**220**	**4.5**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.145**
			8/28/2018	**540**	<2.0	<0.1	<0.1	**3.40**	<0.1	**3.40**	**3.40**	**0.459**
			11/6/2018	*NR*	*NR*	<0.5	<0.5	**1.30**	<0.1	**1.30**	**1.30**	**0.308**
			12/19/2018	**>2,400**	**58**	**2.24**	<0.1	<0.5	<0.1	<0.4	**2.58**	**0.985**

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	**Coliform Bacteria Analysis** (MPN/100mL)		**Inorganic Analysis** (mg/L)						
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Total Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous
Malibu Lagoon and Creek	1 foot BSW	L-003	9/25/2015	**540**	**70**	<0.1	<0.1	**2.35**	<0.2	**2.35**	**2.35**	**0.379**
			12/1/2015	**240**	**17**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.213**
			3/18/2016	**240**	**23**	**0.6**	<0.1	**1.03**	<0.2	**1.03**	**1.63**	**0.397**
			6/16/2016	**79**	**4.0**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.139**
			9/23/2016	**23**	**4.5**	<0.1	<0.1	**1.21**	<0.2	**1.21**	**1.21**	<0.1
			12/20/2016	**220**	**31**	**2.7**	<0.1	<0.5	<0.2	<0.5	**2.70**	**0.984**
			3/31/2017	**70**	**23**	**1.2**	<0.1	**0.511**	<0.2	**0.511**	**1.71**	**0.446**
			6/19/2017	**220**	**17**	<0.1	<0.1	**0.714**	<0.2	**0.714**	**0.714**	**1.69**
			8/29/2017	**>1,600**	**33**	<0.1	<0.1	**0.898**	<0.2	**0.898**	**0.898**	**0.186**
			12/28/2017	**>1,600**	**13**	**0.08**	<0.1	**0.393**	<0.2	**0.393**	**0.473**	<0.1
			4/13/2018	**>1,600**	**79**	**0.6**	<0.1	**0.741**	<0.2	**0.741**	**1.34**	**0.373**
			5/25/2018	**110**	**79**	<0.1	<0.1	**0.906**	<0.2	**0.906**	**0.906**	**0.224**
			8/28/2018	**84**	**4.0**	<0.1	<0.1	**2.80**	<0.1	**2.80**	**2.80**	**0.353**
			11/6/2018	*NR*	*NR*	<0.5	<0.5	**1.20**	<0.1	**1.20**	**1.20**	**0.161**
			12/19/2018	**>2,400**	**150**	**2.18**	<0.1	**0.56**	**0.187**	**0.751**	**2.93**	**0.945**
		L-004	9/25/2015	**170**	**23**	<0.1	<0.1	**2.67**	<0.2	**2.67**	**2.67**	**0.266**
			12/1/2015	**170**	**130**	<0.1	<0.1	**0.583**	<0.2	**0.583**	**0.583**	**0.200**
			3/18/2016	**350**	**170**	**0.5**	<0.1	**0.798**	<0.2	**0.798**	**1.30**	**0.350**
			6/16/2016	**49**	**2.0**	<0.1	<0.1	**0.667**	<0.2	**0.667**	**0.667**	**0.114**
			9/23/2016	**17**	**4.5**	<0.1	<0.1	**0.627**	<0.2	**0.627**	**0.627**	<0.1
			12/20/2016	**540**	**79**	**2.4**	<0.1	<0.5	<0.2	<0.5	**2.40**	**0.833**
			3/31/2017	**540**	**170**	**0.4**	<0.1	**1.67**	<0.2	**1.67**	**2.07**	**0.394**
			6/19/2017	**540**	**350**	<0.1	<0.1	**1.06**	<0.2	**1.06**	**1.06**	**0.477**
			8/29/2017	**>1,600**	**49**	<0.1	<0.1	**0.653**	<0.2	**0.653**	**0.653**	**0.151**
			12/28/2017	**540**	**170**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	<0.1
			4/13/2018	**1,600**	**130**	**1.0**	<0.1	<0.5	<0.2	<0.5	**1.00**	**0.548**
			5/25/2018	**94**	**33**	<0.1	<0.1	**0.729**	<0.2	**0.729**	**0.729**	**0.180**
			8/28/2018	**270**	**6.2**	<0.1	<0.1	**3.80**	<0.1	**3.80**	**3.80**	**0.396**
			11/6/2018	*NR*	*NR*	<5.0	<5.0	<0.5	<0.1	<0.4	<0.5	**0.085**
			12/19/2018	**>2,400**	**140**	**0.25**	<0.1	**0.75**	<0.1	**0.753**	**1.00**	**0.280**

Table 3
Surface Water Analytical Results

Location	Monitoring Depth	Sample ID	Sample Date	**Coliform Bacteria Analysis** (MPN/100mL)		**Inorganic Analysis** (mg/L)						
				Total	Fecal	Nitrate Nitrogen	Nitrite Nitrogen	Total Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorous
Malibu Lagoon and Creek	1 foot BSW	L-005	9/25/2015	**350**	**49**	<0.1	<0.1	**3.8**	<0.2	**3.8**	**3.80**	**0.372**
			12/1/2015	**350**	**49**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.123**
			3/18/2016	**540**	**350**	**1.6**	<0.1	**1.37**	<0.2	**1.37**	**2.97**	**0.661**
			6/16/2016	**26**	**6.8**	<0.1	<0.1	**1.16**	<0.2	**1.16**	**1.16**	**0.133**
			9/23/2016	**7.8**	**7.8**	<0.1	<0.1	<0.5	<0.2	**0.53**	**0.530**	<0.1
			12/20/2016	**350**	**49**	**2.5**	<0.1	<0.5	<0.2	<0.5	**2.50**	**0.865**
			3/31/2017	**170**	**22**	**0.2**	<0.1	<0.5	<0.2	<0.5	**0.200**	**0.104**
			6/19/2017	**240**	**240**	<0.1	<0.1	**0.976**	<0.2	**0.976**	**0.976**	**0.902**
			8/29/2017	**920**	**70**	<0.1	<0.1	**1.22**	<0.2	**1.22**	**1.22**	**0.135**
			12/28/2017	**>1,600**	**>1,600**	**0.7**	<0.1	**0.703**	<0.2	**0.703**	**1.40**	**0.191**
			4/13/2018	**>1,600**	**94**	**0.6**	<0.1	<0.5	<0.2	<0.5	**0.600**	**0.312**
			5/25/2018	**>1,600**	**>1,600**	<0.1	<0.1	**0.940**	<0.2	**0.940**	**0.940**	**0.411**
			8/28/2018	**100**	<2.0	<0.1	<0.1	**3.10**	<0.1	**3.10**	**3.10**	**0.432**
			11/6/2018	*NR*	*NR*	<5.0	<5.0	**1.40**	<0.1	**1.40**	**1.40**	**0.211**
			12/19/2018	**>2,400**	**180**	**1.81**	<0.1	<0.5	**0.116**	**0.567**	**2.38**	**0.883**
		L-006	9/25/2015	**170**	**170**	<0.1	<0.1	**3.59**	<0.2	**3.67**	**3.67**	**0.320**
			12/1/2015	**350**	**49**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.168**
			3/18/2016	**920**	**130**	**0.4**	<0.1	**1.46**	<0.2	**1.46**	**1.86**	**0.366**
			6/16/2016	**17**	**7.8**	<0.1	<0.1	**1.18**	<0.2	**1.18**	**1.18**	**0.172**
			9/23/2016	**7.8**	**7.8**	<0.1	<0.1	**1.24**	<0.2	**1.24**	**1.24**	<0.1
			12/20/2016	**130**	**14**	**0.3**	<0.1	<0.5	<0.2	<0.5	**0.300**	**0.287**
			3/31/2017	**540**	**11**	<0.1	<0.1	**13.6**	<0.2	**13.6**	**13.6**	**3.50**
			6/19/2017	**33**	**7.8**	<0.1	<0.1	**1.12**	<0.2	**1.12**	**1.12**	**0.714**
			8/29/2017	**1,600**	**26**	<0.1	<0.1	**1.76**	<0.2	**1.76**	**1.76**	**0.110**
			12/28/2017	**920**	**170**	<0.1	<0.1	**4.27**	<0.2	**4.27**	**4.27**	**0.333**
			4/13/2018	**>1,600**	**110**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.394**
			5/25/2018	**49**	**7.8**	<0.1	<0.1	<0.5	<0.2	<0.5	0.0	**0.177**
			8/28/2018	**210**	**28**	<0.1	<0.1	**2.80**	<0.1	**2.80**	**2.80**	**0.416**
			11/6/2018	*NR*	*NR*	<5.0	<5.0	**1.40**	<0.1	**1.40**	**1.40**	**0.179**
			12/19/2018	**>2,400**	**1,700**	**0.11**	<0.1	**1.80**	<0.1	**1.80**	**1.91**	**0.277**

Notes:
bold: Constituent detected above Reporting Detection Limit (RDL)
mg/L: milligrams per liter
MPN/100mL: Most Probable Number per 100 milliliters
NR : Not reported due to poor quality of culture membrane during laboratory analysis
<: constituent not detected above the RDL
>: constituent detected above the laboratory upper detection limit

Table 4
Groundwater Analytical Results

			Coliform Bacteria Analysis (MPN/100mL)		**Inorganic Analysis** (mg/L)												
Well ID	**Well Depth (bgs)**	**Sample Date**	Total	Fecal	Nitrate as NO_3	Nitrate Nitrogen	Nitrite Nitrogen	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids	Chloride
LAMW-5S	73 feet	9/29/2015	**350**	**4.5**	**32.8**	**7.40**	<0.1	**7.68**	**0.986**	<0.2	**1.07**	**8.75**	**14.7**	**0.314**	**156**	**769**	**103**
		3/15/2016	**>1,600**	**350**	-	**8.20**	<0.1	-	<0.5	<0.2	<0.5	**8.20**	**9.43**	-	-	**713**	-
		9/20/2016	<1.8	<1.8	**55.1**	**12.4**	<0.1	**12.4**	<0.5	<0.2	<0.5	**12.4**	**7.04**	**0.248**	**200**	**863**	**125**
		3/28/2017	**49**	<1.8	-	**13.6**	<0.1	-	<0.5	<0.2	<0.5	**13.6**	**5.24**	-	-	**696**	-
		9/14/2017	**>1,600**	**170**	**72.8**	**16.4**	<0.1	**16.4**	<0.5	<0.2	<0.5	**16.4**	**5.38**	**0.325**	**98.6**	**604**	**117**
		6/20/2018	**7.8**	<1.8	-	**13.3**	<0.1	-	<0.5	<0.2	<0.5	**13.3**	**2.00**	-	-	**618**	-
		8/22/2018	**160**	<2.0	-	**10.6**	<0.1	**10.6**	<0.5	<0.1	<0.4	**10.6**	**4.35**	**0.257**	**71.8**	**588**	**98.9**
		11/6/2018	*NR*	*NR*	-	**11.4**	<0.1	**11.4**	<0.5	<0.1	<0.4	**11.5**	**1.775**	**0.285**	**70.4**	**590**	**99.4**
		12/18/2018	**36**	**1.0**	**57.7**	**13.0**	<0.1	-	<0.5	**0.241**	<0.4	**13.0**	**1.170**	-	-	**536**	**98.9**
SMBRP-7B	25 feet	12/15/2015	**11**	<1.8	-	<0.1	<0.1	-	<0.5	<0.2	**0.552**	**0.552**	**0.478**	-	-	**3,090**	-
		3/15/2016	**110**	**11**	-	<0.1	<0.1	-	**1.37**	<0.2	**1.37**	**1.37**	**0.916**	-	-	**1,400**	-
		9/20/2016	<1.8	<1.8	-	<0.1	<0.1	-	<0.5	**0.215**	**0.618**	**0.618**	**0.445**	-	-	**3,920**	-
		3/28/2017	**4.5**	<1.8	-	**2.30**	<0.1	-	<0.5	<0.2	<0.5	**2.30**	**0.287**	-	-	**3,430**	-
		9/12/2017	<1.8	<1.8	-	**1.20**	<0.1	-	<0.5	<0.2	<0.5	**1.20**	**0.55**	-	-	**3,580**	-
		6/20/2018	**12**	<1.8	-	**0.200**	<0.1	-	<0.5	<0.2	<0.5	**0.200**	**0.224**	-	-	**3,480**	-
		8/22/2018	**74**	**58**	-	**0.57**	<0.1	**0.57**	<0.5	<0.1	<0.4	**0.57**	**0.802**	-	-	**2,330**	-
SMBRP-9	45 feet	12/15/2015	<1.8	<1.8	**78.8**	**17.8**	<0.1	**17.8**	<0.5	**0.331**	<0.5	**18.1**	**0.41**	**0.56**	**538**	**2,100**	**309**
		3/15/2016	<1.8	<1.8	-	**15.1**	<0.1	-	<0.5	<0.2	<0.5	**15.1**	**0.462**	-	-	**2,100**	-
		9/20/2016	**33**	<1.8	**84.5**	**19.1**	<0.1	**19.1**	<0.5	<0.2	<0.5	**19.1**	**0.272**	**0.649**	**342**	**1,940**	**213**
		3/28/2017	**9.3**	<1.8	-	**22.2**	<0.1	-	<0.5	<0.2	<0.5	**22.2**	**0.101**	-	-	**2,080**	-
		9/12/2017	**7.8**	<1.8	**73.3**	**16.6**	<0.1	**16.6**	<0.5	<0.2	<0.5	**16.6**	**0.125**	**0.602**	**380**	**1,800**	**230**
		6/20/2018	**110**	<1.8	-	**18.5**	<0.1	-	<0.5	<0.2	<0.5	**18.5**	**0.376**	-	-	**1,900**	-
		8/23/2018	**>4,800**	<2.0	-	**17.7**	<0.1	**17.7**	<0.5	<0.1	<0.4	**17.7**	**0.370**	**0.628**	**329**	**1,770**	**200**
		11/6/2018	*NR*	*NR*	-	**9.69**	<0.1	**9.69**	<0.5	<0.1	<0.4	**10.1**	**0.128**	**0.577**	**434**	**1,840**	**235**
		12/18/2018	**360**	<1.0	**12.4**	**2.80**	<0.1	-	<0.5	<0.1	<0.4	**2.80**	**0.068**	-	-	**1,350**	**141**
SMBRP-11	20 feet	6/22/2018	<1.8	<1.8	-	**14.9**	<0.1	-	<0.5	**1.75**	<0.5	**16.7**	**0.104**	-	-	**1,700**	-
		8/21/2018	<2.0	<2.0	-	**14.5**	<0.1	**14.5**	**0.7**	**0.911**	**1.60**	**16.1**	**0.097**	**0.586**	**320**	**1,610**	**292**
		11/6/2018	*NR*	*NR*	-	**16.5**	**0.73**	**17.2**	**0.800**	**1.38**	**2.20**	**19.4**	**0.085**	**0.652**	**378**	**1,570**	**323**
		12/18/2018	**>2,400**	**3.1**	**71.5**	**16.1**	**0.50**	-	<0.5	**1.34**	**1.80**	**18.4**	**0.031**	-	-	**1,510**	**326**

Table 4
Groundwater Analytical Results

			Coliform Bacteria Analysis (MPN/100mL)		**Inorganic Analysis** (mg/L)												
Well ID	**Well Depth (bgs)**	**Sample Date**	Total	Fecal	Nitrate as NO_3	Nitrate Nitrogen	Nitrite Nitrogen	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids	Chloride
SMBRP-12	25 feet	12/16/2015	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	**6.41**	**5.81**	**5.81**	**1.36**	**0.923**	**426**	**2,140**	**478**
		3/15/2016	<1.8	<1.8	-	<0.1	<0.1	-	**2.9**	**5.67**	**8.57**	**8.57**	**1.43**	-	-	**2,290**	-
		9/21/2016	<1.8	<1.8	**0.6**	**0.100**	<0.1	**0.128**	<0.5	**8.85**	**8.28**	**8.28**	**0.753**	**1.25**	**871**	**7,930**	**3,140**
		3/29/2017	**6.8**	<1.8	-	<0.1	<0.1	-	<0.5	**7.60**	**7.85**	**7.85**	**1.88**	-	-	**1,610**	-
		9/13/2017	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	**5.65**	**2.76**	**2.76**	**1.37**	**0.91**	**508**	**1,950**	**482**
		6/20/2018	**2.0**	<1.8	-	**0.100**	<0.1	-	<0.5	**4.25**	**3.89**	**3.89**	**1.80**	-	-	**1,580**	-
		8/22/2018	**88**	<2.0	-	<0.1	<0.1	<0.1	<0.5	**4.99**	**5.40**	**5.40**	**1.00**	**0.874**	**397**	**1,850**	**523**
		11/6/2018	*NR*	*NR*	-	<0.1	<0.1	<0.1	<0.5	**4.44**	**3.40**	**3.46**	**0.972**	**0.823**	**482**	**1,820**	**491**
		12/18/2018	**11**	**2.0**	**0.47**	**0.11**	**0.96**	-	**0.520**	**4.88**	**5.40**	**6.47**	**1.290**	-	-	**1,990**	**543**
SMBRP-13	19 feet	12/15/2015	**4.5**	<1.8	-	<0.1	<0.1	-	<0.5	**0.200**	<0.5	**0.200**	**0.316**	-	-	**1,810**	-
		3/15/2016	<1.8	<1.8	-	<0.1	<0.1	-	**0.556**	**0.884**	**1.44**	**1.44**	**0.461**	-	-	**27,500**	-
		9/21/2016	<1.8	<1.8	-	**0.100**	<0.1	-	<0.5	<0.2	<0.5	**0.100**	<0.1	-	-	**3,320**	-
		3/29/2017	<1.8	<1.8	-	**0.500**	<0.1	-	<0.5	<0.2	<0.5	**0.500**	**1.61**	-	-	**4,620**	-
		9/13/2017	**2.0**	<1.8	-	<0.1	**0.1**	-	<0.5	**0.605**	<0.5	**0.705**	**0.283**	-	-	**6,850**	-
		6/22/2018	<1.8	<1.8	-	**0.200**	<0.1	-	<0.5	**0.316**	<0.5	**0.516**	**0.382**	-	-	**2,660**	-
		8/23/2018	**19**	<2.0	-	<0.1	<0.1	<0.1	<0.5	**0.222**	**0.532**	**0.532**	**0.314**	-	-	**3,200**	-
MBCMW-09	9 feet	9/23/2015	*Well dry at time of sampling*														
		3/16/2016	**7.8**	<1.8	-	<0.1	<0.1	-	**1.82**	<0.2	**1.82**	**1.82**	**2.26**	-	-	**6,080**	-
		9/21/2016	*Well dry at time of sampling*														
		3/28/2017	**11**	**4.5**	-	<0.1	<0.1	-	**1.22**	<0.2	**1.22**	**1.22**	**0.307**	-	-	**4,980**	-
		9/13/2017	*Well dry at time of sampling*														
		6/20/2018	**2.0**	<1.8	-	**0.200**	<0.1	-	**1.17**	<0.2	**1.17**	**1.37**	**0.356**	-	-	**7,290**	-
		8/23/2018	*Well dry at time of sampling*														
MCWP-MW04S	20 feet	9/28/2015	**17**	<1.8	<0.4	<0.1	<0.1	<0.1	**1.00**	<0.2	**1.00**	**1.26**	**0.516**	**2.09**	**3,440**	**6,510**	**480**
		12/15/2015	<1.8	<1.8	-	-	-	-	-	-	-	-	-	-	-	-	-
		3/16/2016	**1.8**	<1.8	-	**0.200**	<0.1	-	**1.60**	<0.2	**1.60**	**1.80**	**0.548**	-	-	**6,320**	-
		9/21/2016	<1.8	<1.8	**1.18**	**0.300**	<0.1	**0.300**	**0.600**	<0.2	**0.60**	**0.900**	**0.583**	**2.25**	**2,980**	**6,750**	**744**
		3/28/2017	**33**	<1.8	-	**2.00**	<0.1	-	**1.44**	<0.2	**1.44**	**3.44**	**0.417**	-	-	**6,360**	-
		9/13/2017	<1.8	<1.8	**3**	**0.700**	<0.1	**0.671**	<0.5	<0.2	<0.5	**0.671**	**0.449**	**2.11**	**2,880**	**6,380**	**791**
		6/20/2018	**2.0**	<1.8	-	**0.500**	<0.1	-	**0.800**	<0.2	**0.80**	**1.30**	**0.262**	-	-	**5,830**	-
		8/21/2018	**660**	<2.0	-	<0.1	<0.1	<0.1	**1.20**	<0.1	**1.20**	**1.28**	**0.242**	**1.92**	**2,760**	**6,530**	**723**
		11/6/2018	*NR*	*NR*	-	**0.21**	<0.1	**0.21**	**0.600**	<0.1	**0.585**	**0.80**	**0.149**	**1.88**	**3,050**	**5,820**	**663**
		12/18/2018	**>2,400**	<1.0	**2.38**	**0.54**	**1.58**	-	**0.700**	<0.1	**0.773**	**2.89**	**0.259**	-	-	**5,710**	**759**

Table 4
Groundwater Analytical Results

			Coliform Bacteria Analysis (MPN/100mL)		**Inorganic Analysis** (mg/L)												
Well ID	**Well Depth (bgs)**	**Sample Date**	Total	Fecal	Nitrate as NO_3	Nitrate Nitrogen	Nitrite Nitrogen	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids	Chloride
MCWP-MW04D	148 feet	9/28/2015	**17**	<1.8	**6.44**	**1.50**	<0.1	**1.50**	<0.5	**0.117**	<0.5	**1.617**	**0.154**	**0.772**	**527**	**1,630**	**216**
		3/17/2016	<1.8	<1.8	-	**1.70**	<0.1	-	<0.5	<0.2	<0.5	**1.70**	<0.1	-	-	**1,600**	-
		9/22/2016	<1.8	<1.8	**8.63**	**1.90**	<0.1	**1.90**	<0.5	<0.2	<0.5	**1.90**	<0.1	**0.774**	**531**	**1,550**	**232**
		3/30/2017	**130**	<1.8	-	**0.800**	<0.1	-	<0.5	<0.2	<0.5	**0.800**	**0.795**	-	-	**232**	-
		9/15/2017	<1.8	<1.8	**8.05**	**1.80**	<0.1	**1.80**	<0.5	<0.2	<0.5	**1.80**	**0.123**	**0.866**	**554**	**1,600**	**250**
		6/21/2018	<1.8	<1.8	-	**1.70**	<0.1	-	<0.5	<0.2	<0.5	**1.70**	<0.1	-	-	**1,570**	-
		8/23/2018	<2.0	<2.0	-	**1.66**	<0.1	**1.66**	<0.5	<0.1	<0.4	**1.66**	**0.140**	**0.846**	**539**	**1,610**	**238**
		11/7/2018	*NR*	*NR*	-	**2.44**	<2.0	**2.44**	<0.5	<0.1	<0.4	**2.44**	**0.056**	**0.793**	**560**	**1,650**	**262**
		12/19/2018	**190**	**1.0**	-	**1.84**	<0.1	**1.84**	<0.5	<0.1	<0.4	**2.09**	**0.296**	-	-	**1,170**	-
MCWP-MW05	154 feet	9/23/2015	-	-	-	**2.30**	-	-	-	-	-	**2.30**	-	-	-	**1,400**	-
		3/17/2016	-	-	-	**2.10**	-	-	-	-	-	**2.10**	-	-	-	**1,400**	-
		9/22/2016	-	-	-	**2.20**	-	-	-	-	-	**2.20**	-	-	-	**1,450**	-
		3/29/2017	-	-	-	**2.40**	-	-	-	-	-	**2.40**	-	-	-	**171**	-
		9/15/2017	-	-	-	**2.40**	-	-	-	-	-	**2.40**	-	-	-	**1,410**	-
		6/21/2018	-	-	-	**2.10**	-	-	-	-	-	**2.10**	-	-	-	**1,400**	-
		8/24/2018	**310**	<2.0	-	**1.04**	<0.1	**1.04**	<0.5	<0.1	<0.4	**1.04**	**0.305**	-	-	**2,700**	-
MCWP-MW06	138 feet	9/23/2015	-	-	-	**0.20**	-	-	-	-	-	**0.200**	-	-	-	**1,590**	-
		3/16/2016	-	-	-	**0.100**	-	-	-	-	-	**0.100**	-	-	-	**1,520**	-
		9/21/2016	-	-	-	<0.1	-	-	-	-	-	0.0	-	-	-	**1,550**	-
		3/28/2017	-	-	-	**3.60**	-	-	-	-	-	**3.60**	-	-	-	**383**	-
		9/14/2017	-	-	-	<0.1	-	-	-	-	-	0.0	-	-	-	**1,630**	-
		6/20/2018	-	-	-	**0.20**	-	-	-	-	-	**0.200**	-	-	-	**1,770**	-
		8/23/2018	<2.0	<2.0	-	<0.1	<0.1	<0.1	<0.5	**0.222**	**0.592**	**0.592**	**0.404**	-	--	**1,740**	-
MCWP-MW07S	20 feet	9/22/2015	**4.5**	<1.8	**28.8**	**6.50**	<0.1	**6.50**	<0.5	<0.2	<0.5	**6.71**	**0.451**	**0.41**	**294**	**1,230**	**227**
		3/16/2016	**49**	<1.8	-	**4.80**	**0.24**	-	<0.5	<0.2	<0.5	**5.04**	**2.39**	-	-	**1,180**	-
		9/20/2016	<1.8	<1.8	**22.8**	**5.20**	<0.1	**5.20**	<0.5	<0.2	<0.5	**5.20**	**0.545**	**0.39**	**234**	**1,160**	**217**
		3/30/2017	*Well not accessible at time of sampling*														
		9/12/2017	<1.8	<1.8	**22**	**5.00**	<0.1	**5.00**	<0.5	<0.2	<0.5	**5.00**	**0.214**	**0.387**	**268**	**1,150**	**201**
		6/20/2018	**24**	<1.8	-	**3.20**	<0.1	-	**0.566**	<0.2	**0.683**	**3.88**	**0.525**	-	-	**1,150**	-
		8/21/2018	**32**	<2.0	-	**3.95**	<0.1	**3.95**	<0.5	<0.1	**0.447**	**4.40**	**0.529**	**0.344**	**248**	**1,210**	**209**
		11/7/2018	*NR*	*NR*	-	**4.48**	<2.0	**4.48**	<0.5	<0.1	<0.4	**4.83**	**0.296**	**0.365**	**271**	**1,120**	**206**
		12/18/2018	**>2,400**	**3.0**	**17.1**	**3.87**	**0.40**	-	<0.5	<0.1	<0.4	**4.53**	<0.02	-	-	**1,120**	**205**

Table 4
Groundwater Analytical Results

			Coliform Bacteria Analysis (MPN/100mL)		**Inorganic Analysis** (mg/L)												
Well ID	**Well Depth (bgs)**	**Sample Date**	Total	Fecal	Nitrate as NO_3	Nitrate Nitrogen	Nitrite Nitrogen	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids	Chloride
MCWP-MW07D	130 feet	9/22/2015	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	**0.23**	<0.5	**0.524**	**0.318**	**0.476**	**1,010**	**2,300**	**348**
		3/16/2016	<1.8	<1.8	-	<0.1	<0.1	-	**1.15**	<0.2	**1.15**	**1.15**	**0.239**	-	-	**2,470**	-
		9/22/2016	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	**0.283**	<0.5	<0.5	**0.125**	**0.412**	**474**	**1,680**	**229**
		3/30/2017	*Well not accessible at time of sampling*														
		9/15/2017	**13**	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	**0.168**	<0.5	<0.5	**0.181**	**0.465**	**600**	**1,860**	**262**
		6/21/2018	**4.5**	<1.8	-	**2.00**	<0.1	-	<0.5	<0.2	<0.5	**2.00**	<0.1	-	-	**477**	-
		8/21/2018	**4.0**	<2.0	-	**0.18**	<0.1	**0.18**	<0.5	<0.1	**0.461**	**0.64**	**0.228**	**0.548**	**1,130**	**3,070**	**387**
		11/7/2018	*NR*	*NR*	-	<2.0	<2.0	<2.0	<0.5	<0.1	**0.402**	**0.40**	**0.132**	**0.431**	**683**	**1,930**	**309**
		12/18/2018	**>2,400**	**140**	**4.35**	**0.98**	**0.11**	-	<0.5	<0.1	<0.4	**1.22**	**0.274**	-	-	**134**	**26.5**
MCWP-MW09	95 feet	12/16/2015	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	<0.2	**1.41**	**1.41**	**0.218**	**0.74**	**590**	**2,570**	**723**
		3/15/2016	<1.8	<1.8	-	<0.1	<0.1	-	**0.840**	**2.36**	**3.20**	**3.20**	**0.355**	-	-	**2,410**	-
		9/21/2016	<1.8	<1.8	<0.4	<0.1	<2	<0.1	<0.5	**4.18**	**3.88**	**3.88**	<0.1	**0.972**	**807**	**4,920**	**1,740**
		3/29/2017	**13**	**7.8**	-	**1.40**	<0.1	-	**0.583**	<0.2	**0.731**	**2.13**	**0.336**	-	-	**1,070**	-
		9/13/2017	**2**	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	**2.8**	**1.45**	**1.48**	**0.314**	**0.853**	**655**	**3,080**	**1,090**
		6/20/2018	**9.3**	<1.8	-	**0.100**	<0.1	-	<0.5	**3.19**	**1.51**	**1.61**	**0.139**	-	-	**2,460**	-
		8/22/2018	<2.0	<2.0	-	<0.1	<0.1	<0.1	<0.5	**2.32**	**2.20**	**2.20**	**0.372**	**0.808**	**620**	**2,280**	**703**
		11/6/2018	*NR*	*NR*	-	<0.1	<0.1	<0.1	<0.5	<0.1	<0.4	**0.34**	**0.302**	**0.689**	**475**	**1,740**	**479**
		12/18/2018	**1,100**	**4.1**	**4.13**	**0.93**	**1.14**	-	<0.5	**0.306**	<0.4	**2.46**	**0.237**	-	-	**1,800**	**457**
MCWP-MW10	22 feet	9/29/2015	**2.0**	<1.8	-	**0.400**	-	-	<1	<0.2	<1	**0.400**	<0.1	-	-	**1,550**	-
		3/15/2016	**2.0**	<1.8	-	**0.600**	<0.1	-	**1.28**	<0.2	**1.28**	**1.88**	<0.1	-	-	**1,800**	-
		9/20/2016	<1.8	<1.8	-	**0.700**	<0.1	-	<0.5	<0.2	<0.5	**0.700**	<0.1	-	-	**1,730**	-
		3/29/2017	<1.8	<1.8	-	**1.00**	<0.1	-	<0.5	<0.2	<0.5	**1.00**	<0.1	-	-	**1,990**	-
		9/14/2017	**17**	<1.8	-	<0.1	<0.1	-	<0.5	<0.2	<0.5	0.0	<0.1	-	-	**6,720**	-
		6/22/2018	<1.8	<1.8	-	**0.400**	<0.1	-	<0.5	<0.2	<0.5	**0.400**	**1.56**	-	-	**1,990**	-
		8/24/2018	<2.0	<2.0	-	<0.1	<0.1	<0.1	<0.5	<0.1	<0.4	0.0	**0.108**	-	-	**3,790**	-
TY-MW-1	41 feet	12/15/2015	<1.8	<1.8	<0.4	<0.1	<0.1	<0.1	<0.5	**1.09**	**0.613**	**0.703**	**0.416**	**0.272**	**658**	**2,170**	**410**
		3/16/2016	<1.8	<1.8	-	<0.1	<0.1	-	**1.03**	**0.433**	**1.46**	**1.46**	**0.758**	-	-	**2,160**	-
		9/21/2016	<1.8	<1.8	**0.218**	<0.1	<0.1	<0.1	<0.5	**0.432**	<0.5	**0.516**	**1.64**	**0.286**	**610**	**2,290**	**396**
		3/29/2017	**4.5**	<1.8	-	**0.100**	<0.1	-	**3.38**	**0.310**	**3.69**	**3.79**	**6.08**	-	-	**2,140**	-
		9/14/2017	*Well not accessible at time of sampling*														
		6/20/2018	*Well replaced by SMBRP-11 for quarterly groundwater sampling*														

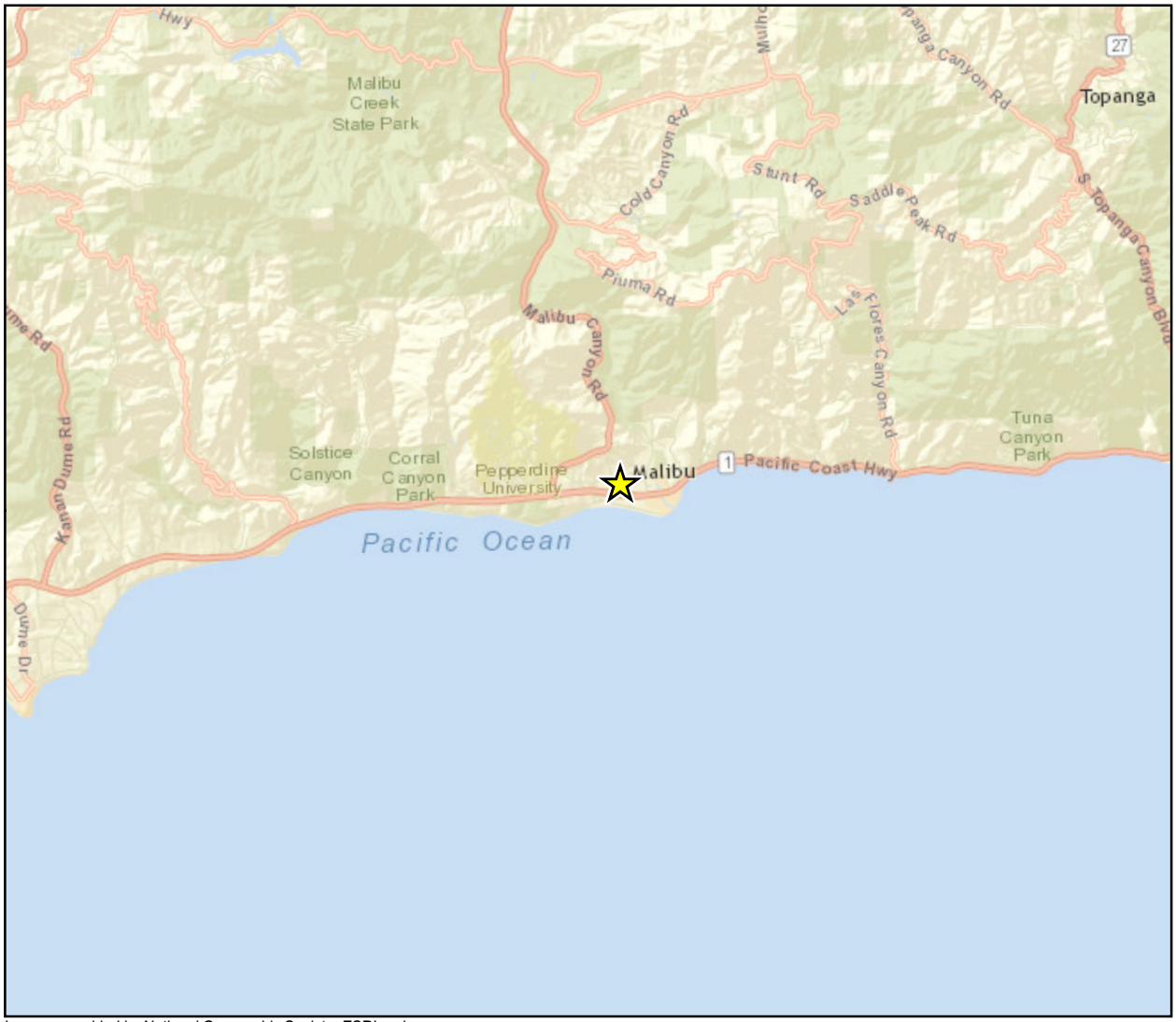
Table 4
Groundwater Analytical Results

			Coliform Bacteria Analysis (MPN/100mL)		**Inorganic Analysis** (mg/L)												
Well ID	**Well Depth (bgs)**	**Sample Date**	Total	Fecal	Nitrate as NO_3	Nitrate Nitrogen	Nitrite Nitrogen	Nitrate + Nitrite as N	Organic Nitrogen	Ammonia Nitrogen	Total Kjeldahl Nitrogen	Total Nitrogen	Phosphorous, Total	Boron	Sulfate	Total Dissolved Solids	Chloride
CCPE	52 feet	9/23/2015	**>1,600**	**49**	-	**1.40**	-	-	<1	<0.2	<1	**1.40**	<0.1	-	-	**1,630**	-
		3/15/2016	**240**	**4.5**	-	**0.900**	<0.1	-	**0.664**	<0.2	**0.664**	**1.56**	<0.1	-	-	**1,800**	-
		9/20/2016	**540**	<1.8	-	**0.900**	<0.1	-	<0.5	<0.2	<0.5	**0.900**	<0.1	-	-	**2,880**	-
		3/28/2017	**>1,600**	**350**	-	**0.600**	<0.1	-	**3.60**	**1.11**	**4.71**	**5.31**	**0.932**	-	-	**968**	-
		9/13/2017	**17**	<1.8	-	<0.1	<0.1	-	<0.5	<0.2	<0.5	0.0	**0.179**	-	-	**7,700**	-
		6/22/2018	**4.5**	<1.8	-	**1.60**	<0.1	-	**1.01**	<0.2	**1.01**	**2.61**	**0.683**	-	-	**690**	-
		8/24/2018	<2.0	<2.0	-	**2.00**	<0.1	**2.00**	<0.5	<0.1	<0.4	**2.00**	**0.194**	-	-	**1,380**	-

Notes:
bgs: Below ground surface
bold: Constituent detected above Reporting Detection Limit (RDL)
mg/L: Milligrams per liter
MPN/100mL: Most Probable Number per 100 milliliter
NR : Not reported due to poor quality of culture membrane during laboratory analysis

<: Below the laboratory reporting limit
>: Constituent detected above the laboratory upper detection limit
- : Not reported

Figures



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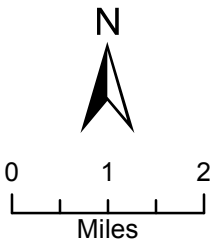
Project Location



Vicinity Map

Figure 1

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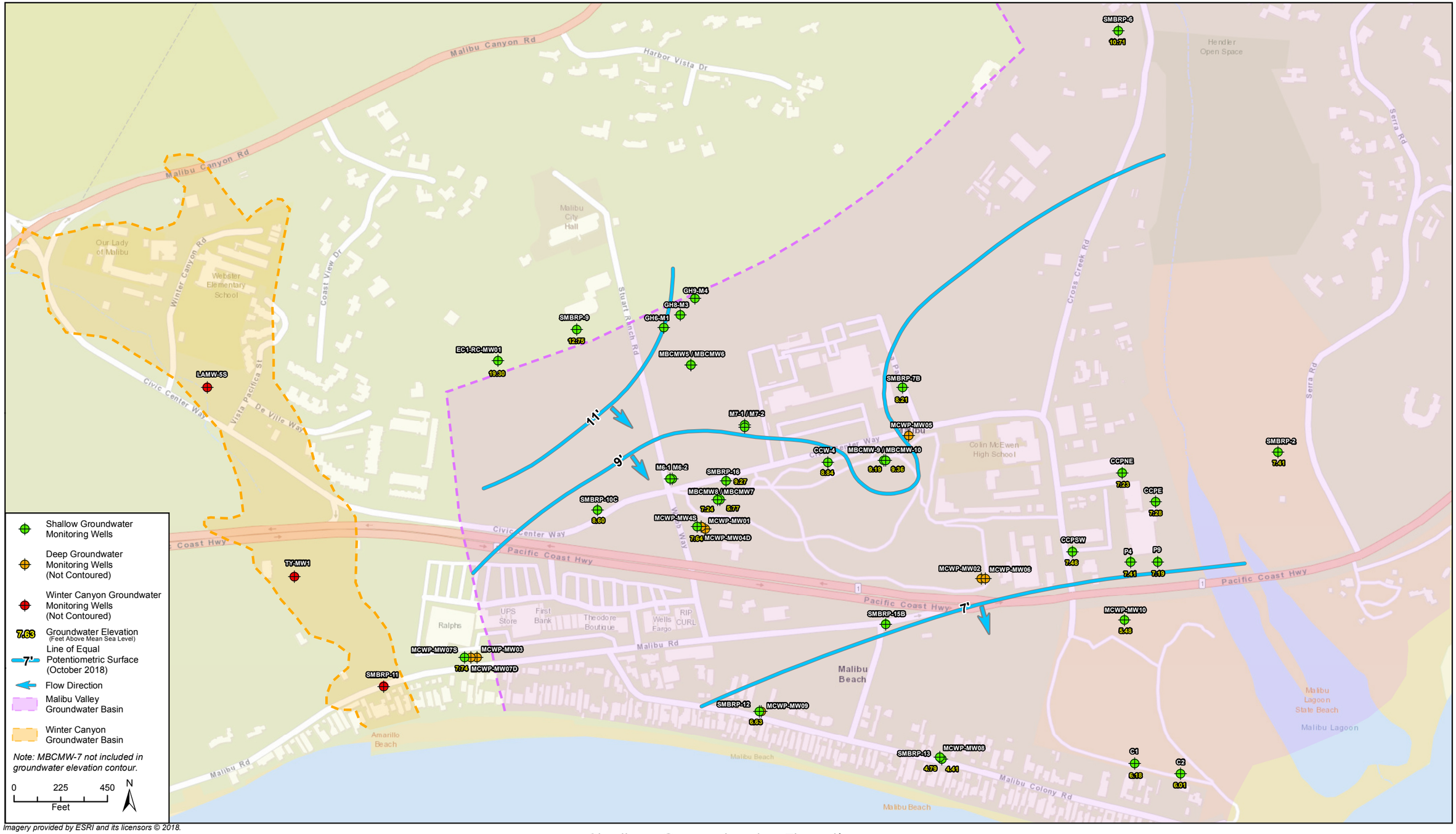
Site Map - Civic Center Area

Figure 2

Rincon Consultants Inc.



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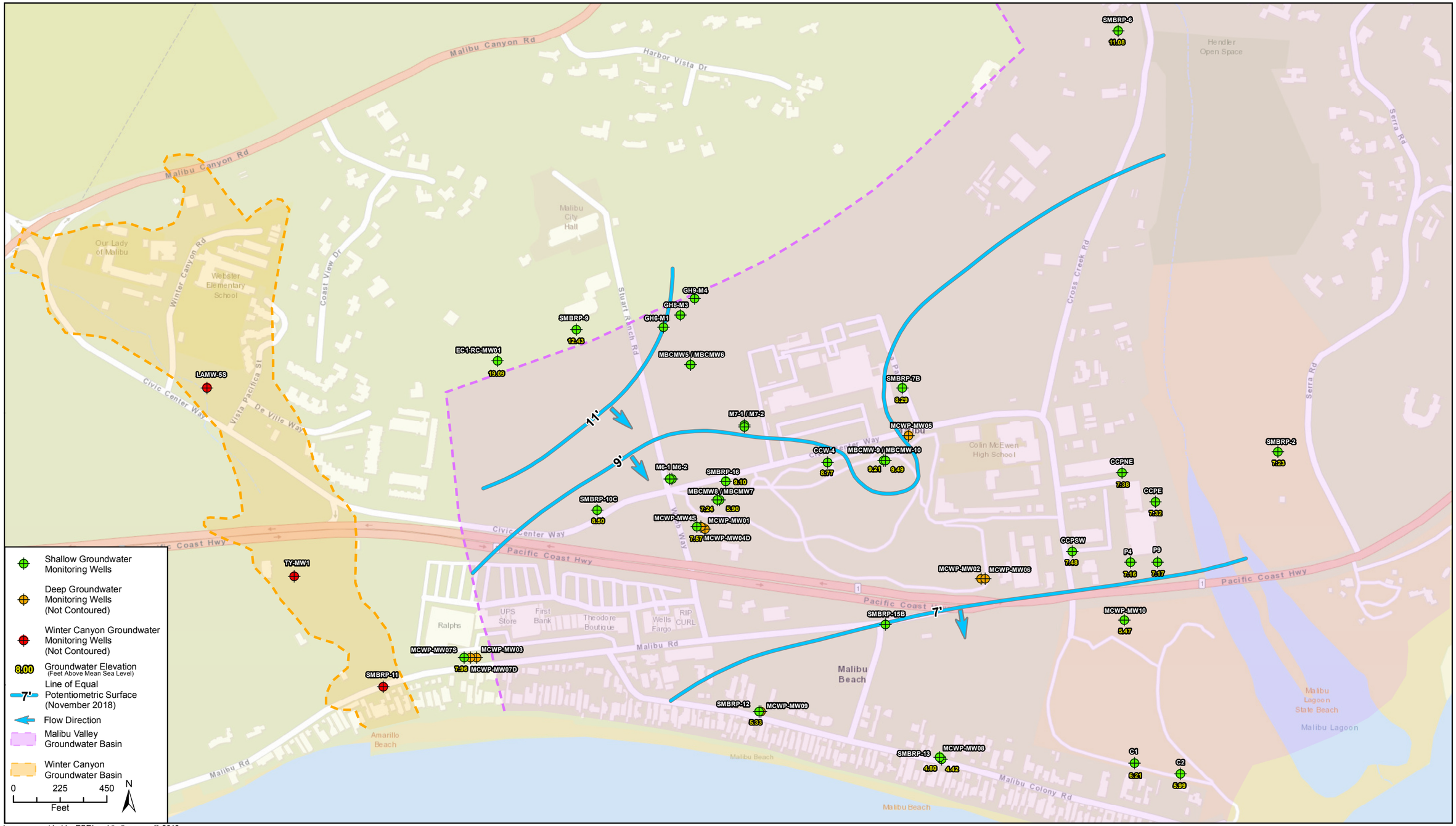
Shallow Groundwater Elevation
October 2018

Figure 3



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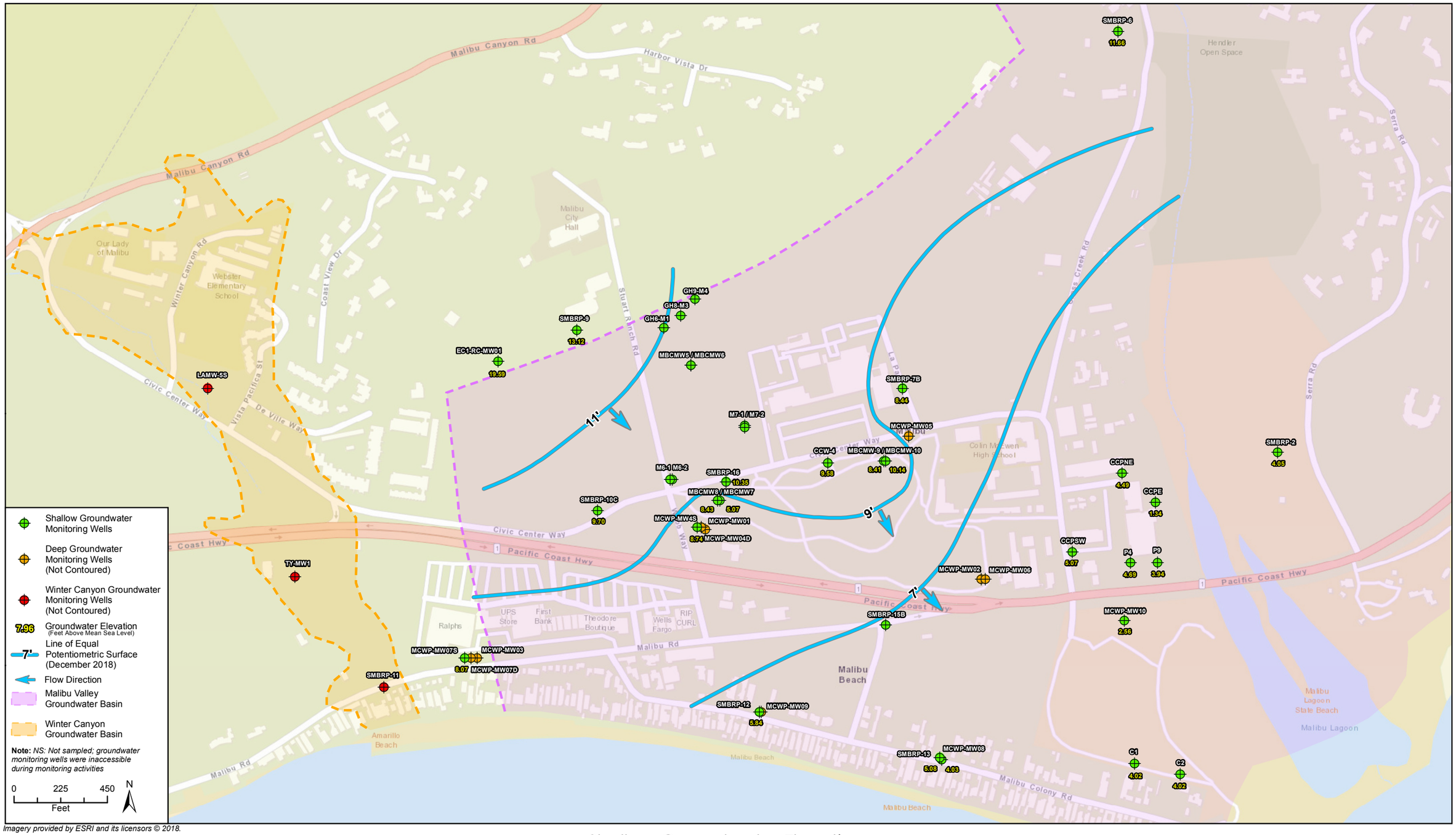
Shallow Groundwater Elevation
November 2018

Figure 4

Rincon Consultants Inc.



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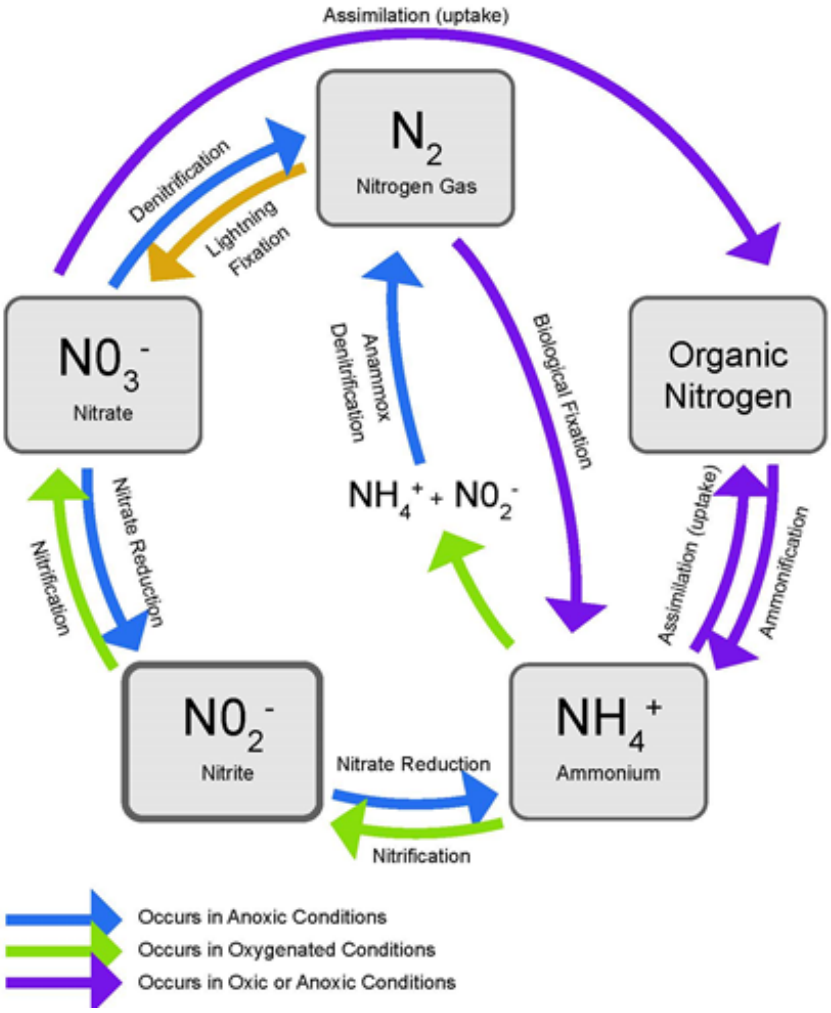
Shallow Groundwater Elevation
December 2018

Figure 5



The Nitrogen Cycle Figure 6

Appendix A

Groundwater and Surface Water Field Sheets

Table 1

Groundwater Monitoring Well Construction Details

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 10/4/2018	Time	Depth to Water 8/24/2015 (ft bTOC)	Wellhead Condition/ Notes
C-1	14.5	n/a	11.47	5.29	1305	n/a	
C-2	14.5	2	11.19	5.18	1300	5.11	
CCPE	20	2	12.94	5.66	1045	5.76	
CCPNE		2	13.68	6.45	1050	6.44	
CCPSW		2	13.67	6.21	1056	6.29	
CCW-4		1	15.77	6.93	943	6.50	
GH6-M1	35	2		28.42	1200	28.92	
GH8-M3	40	2		—	—	28.37	*
GH9-M4	45	2		—	—	30.31	*
LAMW-5S	20	4	104.55	52.92	927	53.71	
M6-1	45	2		6.75	1212	6.61	
M6-2	20	2		5.72	1211	5.76	
M7-1	40	2		8.36	1207	8.09	
M7-2	25	2		8.05	1208	7.78	
MBCMW-5	19.4	n/a	29.03	N/A	—	n/a	
MBCMW-6	64.26	n/a	29.02	N/A	—	n/a	
MBCMW-7	52.5	2	16.64	10.87	933	11.26	
MBCMW-8	10	2	16.53	9.29	935	9.11	
MBCMW-9	10	2	17.71	8.52	951	8.70	
MBCMW-10	53	2	17.74	8.35	950	8.63	
MCWP-MW01	148	6	17.90	10.27	1112	10.22	
MCWP-MW02	145	6	18.06	10.30	1056	10.39	
MCWP-MW03	134	6		8.06	1024	7.65	
MCWP-MW04D	148	4		9.44	1110	9.35	
MCWP-MW04S	20	4		7.65	1108	7.55	
MCWP-MW05	158	4		7.51	959	7.62	
MCWP-MW06	153	2		9.75	1100	9.87	
MCWP-MW07D	134	2		7.91	1125	7.51	
MCWP-MW07S	20	2		5.98	1127	6.76	
MCWP-MW08	77	2		7.80	1236	7.64	
MCWP-MW09	95	2	16.30	7.08	1230	7.52	
MCWP-MW10	60	2		5.63	1350	5.70	
P-4	12.5	4	12.16	4.75	1037	4.58	
P-9	14.3	4	12.17	4.98	1040	5.07	
SMBRP-2	25	2	13.13	5.72	1032	6.04	
SMBRP-6	25	2	26.88	16.17	1025	16.49	
SMBRP-7B	45	2	18.99	10.78	1330	10.69	
SMBRP-8 (EG-RC MW01)	60	4		29.39	920	28.74	
SMBRP-9	45	2	50.32	37.57	915	38.24	
SMBRP-10C	25	2	16.25	7.65	925	7.37	
SMBRP-11	20	2	18.35	8.50	1129	8.88	
SMBRP-12	25	2	12.62	5.99	1229	5.69	
SMBRP-13	20	2	13.58	8.79	1235	8.32	
SMBRP-15B	25	1	16.77	DRY	1245	Dry	
SMBRP-16	25	2	14.50	5.23	930	4.95	

* City GRADED AREA, WELLS HAVE BEEN BURIED AND UNABLE TO LOCATE.

Table 1

Groundwater Monitoring Well Construction Details

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 11/5/2018	Time	Depth to Water 8/24/2015 (ft bTOC)	Wellhead Condition/ Notes
C-1	14.5	n/a	11.47	5.26	1415	n/a	
C-2	14.5	2	11.19	5.2	1254	5.11	
CCPE	20	2	12.94	5.62	1155	5.76	
CCPNE		2	13.68	6.3	1153	6.44	
CCPSW		2	13.67	6.19	1210	6.29	
CCW-4		1	15.77	7.0	1042	6.50	
GH6-M1	35	2		~~28.67~~		28.92	
GH8-M3	40	2		~~28.20~~	—	28.37	*
GH9-M4	45	2		—	—	30.31	*
LAMW-5S	20	4	104.55	54.33	1114	53.71	79.5
M6-1	45	2		6.6	1014	6.61	
M6-2	20	2		5.8	1013	5.76	
M7-1	40	2		8.4	0958	8.09	~~8.4~~
M7-2	25	2		8.0	0959	7.78	~~8.0~~
MBCMW-5	19.4	n/a	29.03	—	—	n/a	
MBCMW-6	64.26	n/a	29.02	—	—	n/a	
MBCMW-7	52.5	2	16.64	10.74	1102	11.26	
MBCMW-8	10	2	16.53	9.29	1103	9.11	
MBCMW-9	10	2	17.71	8.5		8.70	1028
MBCMW-10	53	2	17.74	8.25		8.63	1027
MCWP-MW01	148	6	17.90	10.05	1047	10.22	
MCWP-MW02	145	6	18.06	10.6	1333	10.39	
MCWP-MW03	134	6		7.02	0838	7.65	
MCWP-MW04D	148	4		9.2	1050	9.35	147.3
MCWP-MW04S	20	4		18.2	1056	7.55	20.4
MCWP-MW05	158	4		7.3	1032	7.62	
MCWP-MW06	153	2		9.85	1331	9.87	
MCWP-MW07D	134	2		6.91	0841	7.51	128.42
MCWP-MW07S	20	2		5.76	0847	6.76	17.03
MCWP-MW08	77	2		7.79	1138	7.64	
MCWP-MW09	95	2	16.30	~~7.29~~ 5.83	1127	7.52	89.2
MCWP-MW10	60	2		~~8.25~~ 5.64	1243	5.70	~~1027~~
P-4	12.5	4	12.16	5.0	1203	4.58	
P-9	14.3	4	12.17	5.0	1205	5.07	
SMBRP-2	25	2	13.13	5.9	1310	6.04	
SMBRP-6	25	2	26.88	15.8	1323	16.49	
SMBRP-7B	45	2	18.99	10.7	1038	10.69	~~10~~
SMBRP-8 (EG-RC MW01)	60	4		29.6	0929	28.74	
SMBRP-9	45	2	50.32	37.89	0924	38.24	44.97
SMBRP-10C	25	2	16.25	7.75	1100	7.37	
SMBRP-11	20	2	18.35	8.3	0907	8.88	20.15
SMBRP-12	25	2	12.62	~~7.29~~ 5.88	1127	5.69	24.85
SMBRP-13	20	2	13.58	8.78	1139	8.32	
SMBRP-15B	25	1	16.77	DRY	1304	Dry	DRY
SMBRP-16	25	2	14.50	5.4	1022	4.95	

* UNABLE TO LOCATE.

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 11.5.18
Project/Location Malibu, CA Civic Center Area	Well Number: LAMW-5S
Observation Period Start: 0915 Stop: 1110	Survey Reference Point: (TOC)
Sampled By: ~~Peter Shellenbarger~~ PETER DORTON	Witnessed By: —

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	74'
Well Diameter (in)	4	Depth of Well (ft)	74.19
Initial/Static Depth to Water (ft)	51.95	Length of Water Column (ft)	22.24
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	~~0.16~~ 0.65
One Casing Volume (gal)	14.5	Three Casing Volumes (gal)	43.4
Purge Time, Start	0922	Purge Time, Stop	0952
Total Purge Time (minutes)	30	Purge Rate (gpm)	1.0
Purge Volume (gal)	29	Depth to Water (ft) at Sampling	51.96

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	14.5	29					At Sampling
TDS (ppm)	539	534	547	WELL DEWATERED @				467
Turbidity (measured or visual) cloudy, clear, muddy	36	41	53	29 GALLONS				64
Temperature (C)	22.3	22.7	22.8					23.6
Conductivity (micromhos)	1078	1066	1094					956
pH	6.99	6.97	6.95					7.12
Dissolved Oxygen (mg/L & %)	2.3/26	2.3/26	1.9/22					2.2/24
Comments:								
				Depth to Water at End of Purge (ft)	74.02			
				Drawdown (ft)	22.07			

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled at: 1100 11.6.18

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

51.95 + 0.2 * 22.07 = 56.36

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 11-05-12
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-9
Observation Period Start: 1040 Stop: 1100	Survey Reference Point: (TOC)
Sampled By: ~~Peter Shellenbarger~~ P. DORAN	Witnessed By: —

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	45.02
Initial/Static Depth to Water (ft)	37.95	Length of Water Column (ft)	7.07
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.1	Three Casing Volumes (gal)	3.4
Purge Time, Start	1045	Purge Time, Stop	1055
Total Purge Time (minutes)	10	Purge Rate (gpm)	0.2
Purge Volume (gal)	2.0	Depth to Water (ft) at Sampling	37.9

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	1.5						At Sampling
TDS (ppm)	1505	1483	WELL					1485
Turbidity (measured or visual) cloudy, clear, muddy	628	7000	DEWATERED					CLOUDY
Temperature (C)	22.2	22.5	@2.0 GAL.					23.5
Conductivity (micromhos)	3024	2966						2958
pH	7.35	7.35						7.41
Dissolved Oxygen (mg/L & %)	2.7/32	3.9/45						8.1/97
Comments:								
				Depth to Water at End of Purge (ft)	44.76			
				Drawdown (ft)	6.91			

MISCELLANEOUS DATA

Condition of Traffic Box:	(TOP)
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR.

Comments: Sampled at: 0850

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

37.95 + 0.2 * 6.91 = 39.31

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 11-5-18
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-11
Observation Period Start: 1110 Stop: 1135	Survey Reference Point: (TOC)
Sampled By: ~~Peter Shellenbarger~~ R. Dorado	Witnessed By: -

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	-
Well Diameter (in)	2	Depth of Well (ft)	20.20
Initial/Static Depth to Water (ft)	8.35	Length of Water Column (ft)	11.85
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.9	Three Casing Volumes (gal)	5.68
Purge Time, Start	1112	Purge Time, Stop	1130
Total Purge Time (minutes)	18	Purge Rate (gpm)	0.25
Purge Volume (gal)	4.5	Depth to Water (ft) at Sampling	8.31

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0					At Sampling
TDS (ppm)	1312	1320	1324	WBI				1258
Turbidity (measured or visual) cloudy, clear, muddy	>1000	>1000	>1000	DEWATERED @ 4.5 GAL.				CLEAR
Temperature (C)	22.7	22.8	22.8					26.5
Conductivity (micromhos)	2622	2641	2647					2529
pH	7.17	7.16	7.16					7.35
Dissolved Oxygen (mg/L & %)	5.3/62	5.7/65	5.9/68					8.0/100
Comments:								
				Depth to Water at End of Purge (ft)	19.41			
				Drawdown (ft)	11.41			

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD, 1/2 TABS BROKEN

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR.

Comments: Sampled at: 1040

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.35 + 0.2 * 11.41 = 10.63

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11.6.18
Project/Location	Malibu, CA Civic Center Area	Well Number:	SMTBRP-12
Observation Period	Start: 0915 Stop: 1040	Survey Reference Point:	(TOC)
Sampled By:	~~Peter Shellenbarger~~ P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	22'
Well Diameter (in)	2	Depth of Well (ft)	24.82
Initial/Static Depth to Water (ft)	7.25	Length of Water Column (ft)	17.57
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.8	Three Casing Volumes (gal)	8.4
Purge Time, Start	1020	Purge Time, Stop	1028
Total Purge Time (minutes)	8	Purge Rate (gpm)	1.0
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	7.25

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	6.0	8.5				At Sampling
TDS (ppm)	1042	1311	1342	1350				→
Turbidity (measured or visual) cloudy, clear, muddy	>1000	>1000	>1000	>1000				→
Temperature (C)	25.0	24.9	24.7	24.6				→
Conductivity (micromhos)	2086	2668	2691	2692				→
pH	6.94	6.92	6.90	6.88				→
Dissolved Oxygen (mg/L & %)	1.2/12	1.4/15	1.8/17	1.9/19				→
Comments:								
Depth to Water at End of Purge (ft)				7.30				
Drawdown (ft)				0.05				

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments: Sampled at: 1030

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.25 + 0.2 * 0.05 = 7.26

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11-5-18
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW04S
Observation Period	Start: 1012 Stop: 1035	Survey Reference Point:	(TOC)
Sampled By:	~~Peter Shellenberger~~ P. DORAN	Witnessed By:	—

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	20'
Well Diameter (in)	4	Depth of Well (ft)	20.42
Initial/Static Depth to Water (ft)	7.72	Length of Water Column (ft)	12.70
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	8.2	Three Casing Volumes (gal)	24.76
Purge Time, Start	1015	Purge Time, Stop	1030
Total Purge Time (minutes)	15	Purge Rate (gpm)	1.0
Purge Volume (gal)	15	Depth to Water (ft) at Sampling	11.65 *

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	8.5						At Sampling
TDS ~~(ppm)~~ (ppt)	4.13	3.25						3.32
Turbidity (measured or visual) cloudy, clear, muddy	621	244	WELL					CLOUDY
Temperature (C)	23.0	24.0	DEWATERED @15					28.6
Conductivity (micromhos) mS	8.26	6.49						6.64
pH	7.51	7.23						7.56
Dissolved Oxygen (mg/L & %)	0.5/6	0.7/9						7.6/100
Comments:								
Depth to Water at End of Purge (ft)				20.04				
Drawdown (ft)				12.32				

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR.

Comments: Sampled at: 1130 (11-6-18)

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery * 72H HR.

7.72 + 0.2 * 12.32 = 10.18

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	11-7-18
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP - MW04D
Observation Period	Start: 1015 Stop: 1250	Survey Reference Point:	TOC
Sampled By:	~~Peter Shellenbarger~~ P. DORAN	Witnessed By:	MC

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	
Well Diameter (in)	4	Depth of Well (ft)	147.30
Initial/Static Depth to Water (ft)	9.20	Length of Water Column (ft)	138.10
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	89.8	Three Casing Volumes (gal)	269.3
Purge Time, Start	1030	Purge Time, Stop	1235
Total Purge Time (minutes)	125	Purge Rate (gpm)	2.2
Purge Volume (gal)	269.5	Depth to Water (ft) at Sampling	9.20

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	90.0	179.5	269.5				At Sampling
TDS (ppm)	1187	1134	1140	1135				→
Turbidity (measured or visual) cloudy, clear, muddy	CLOUDY	SLIGHTLY CLOUDY	CLEAR	CLEAR				→
Temperature (C)	~~7.49~~ 21.9	20.8	20.4	20.5				→
Conductivity (micromhos) µS	2370	2279	2266	2274				→
pH	7.49	7.23	7.28	7.28				→
Dissolved Oxygen (mg/L & %)	0.5 / 6	0.9 / 10	1.3 / 15	0.9 / 10				→
Comments:								
Depth to Water at End of Purge (ft)				9.25				
Drawdown (ft)				0.05				

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR

Comments: Sampled at: 1235

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.20 + 0.2 * 0.05 = 9.21

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 11.7.18
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP - MW07S
Observation Period Start: 0830 Stop: 0930	Survey Reference Point: (TOC)
Sampled By: ~~Peter Shellenberger~~ P.DORAN.	Witnessed By: MC

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	17.03
Initial/Static Depth to Water (ft)	5.76	Length of Water Column (ft)	11.27
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.8	Three Casing Volumes (gal)	5.4
Purge Time, Start	0840	Purge Time, Stop	0900
Total Purge Time (minutes)	20	Purge Rate (gpm)	0.25
Purge Volume (gal)	5.5	Depth to Water (ft) at Sampling	7.63

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	5.5				At Sampling
TDS (ppm)	1015	950	970	947				924
Turbidity (measured or visual) cloudy, clear, muddy	CLEAR	CLOUDY	CLOUDY/ BROWN	CLOUDY/ BROWN				CLEAR
Temperature (C)	20.8	21.8	22.6	25.0				24.7
Conductivity (micromhos) uS	2032	1896	1942	1890				1848
pH	7.56	7.77	7.90	8.0				7.74
Dissolved Oxygen (mg/L & %)	8.8/99	8.4/97	8.3/97	7.7/94				2.8/33
Comments:								
Depth to Water at End of Purge (ft)				15.12				
Drawdown (ft)				9.36				

MISCELLANEOUS DATA

Condition of Traffic Box: (700)

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR

Comments: Sampled at: 0925

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.76 + 0.2 * 9.36 = 7.63

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 11.7.18
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-MW07D
Observation Period Start: 0830 Stop: 0935	Survey Reference Point: (TOC)
Sampled By: ~~Peter Shellenberger~~ P. DORAN	Witnessed By: —

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	125
Well Diameter (in)	2	Depth of Well (ft)	128.42
Initial/Static Depth to Water (ft)	6.91	Length of Water Column (ft)	121.51
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.44	Three Casing Volumes (gal)	58.3
Purge Time, Start	0850	Purge Time, Stop	0925
Total Purge Time (minutes)	35	Purge Rate (gpm)	1.7
Purge Volume (gal)	58.5	Depth to Water (ft) at Sampling	6.91

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	19.5	39.0	58.5				At Sampling
TDS (ppm)	1173	1250	1250	1267				→
Turbidity (measured or visual) cloudy, clear, muddy	1.9	1.4	1.2	1.1				→
Temperature (C)	21.6	21.6	21.7	21.7				→
Conductivity (micromhos)	2351	2498	2562	2576				→
pH	7.10	7.04	6.96	6.94				→
Dissolved Oxygen (mg/L & %)	0.9 / 10	0.7 / 8	0.7 / 7	0.6 / 7				→
Comments:								
Depth to Water at End of Purge (ft)				6.98				
Drawdown (ft)				0.07				

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear

Comments: Sampled at: 0930

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.91 + 0.2 * 0.07 = 6.92

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 11-6-19
Project/Location Malibu, CA Civic Center Area	Well Number: MCWP-9MW09
Observation Period Start: 0900 Stop: 1025	Survey Reference Point: (TOC)
Sampled By: ~~Peter Shellenbarger~~ P. Dorn	Witnessed By: —

PURGING DATA

Type of Pump	Elect. Sub.	Pump Inlet Depth (ft)	881
Well Diameter (in)	2	Depth of Well (ft)	89.32
Initial/Static Depth to Water (ft)	5.22	Length of Water Column (ft)	84.10
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.4	Three Casing Volumes (gal)	40.4
Purge Time, Start	0920	Purge Time, Stop	1000
Total Purge Time (minutes)	40	Purge Rate (gpm)	1.0
Purge Volume (gal)	40.5	Depth to Water (ft) at Sampling	5.22

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.5	27.0	40.5				At Sampling
TDS (ppm)	1552	1518	1497	1493				→
Turbidity (measured or visual) cloudy, clear, muddy	3.6	2.1	1.7	2.0				→
Temperature (C)	21.6	21.9	21.8	21.8				→
Conductivity (micromhos)	3099	3036	2995	2953				→
pH	7.03	7.01	6.97	6.96				→
Dissolved Oxygen (mg/L & %)	0.6/6	0.4/5	0.3/5	0.3/4				→
Comments:								
Depth to Water at End of Purge (ft)				5.80				
Drawdown (ft)				0.58				

MISCELLANEOUS DATA

Condition of Traffic Box:	1/2 TABS BROKEN.
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR.

Comments: Sampled at: 1020

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.22 + 0.2 * 0.58 = 5.33

Malibu Civic Center Quartly Surface Water Sampling
Field Data Sheet

Date: 11/6/18 | Sampled By: JM + JLP

Jan-Mar Apr-Jun July-Sep (Oct-Dec) (Circle appropriate)

Estuary (Circle appropriate)
Berm: open / (closed)

General Weather Conditions
Sun, clear sky

General Wind Conditions
1-2 kts. sunny, clear N75°

Daily Tides: **Low** Time: 14:29 Feet: -0.3 | **High** Time: 0753 Feet: 6.2

Location	Time	Sea State	Water Clarity	Water Color	Odors	Floatables	Birds/ wildlife	Photos Taken
		calm	clear	clear	none	none	Type & # land, # water	Y/N
		rough	cloudy	red	rotten eggs	sheen		
			muddy	brown	sewage	oily		
			milky	yellow	chlorine	garbage		
				gray	ammonia	sewage		
N-001	12:00	calm	clear	clear	none	none		Y
N-002	12:10	calm	Clear	clear	none	none		Y
N-003	12:15	Calm	muddy/ Clear	brown	none	none		Y
N-004	12:50	Calm	clear	clear	none	none		Y
L-001	10:05	N/A	cloudy	brown	none	none	Surf Scoter, Killdeer	Y
L-002	9:45	N/A	cloudy	brown	none	none	Heron, Ducks	Y
L-003	11:00	N/A	cloudy	brown	none	none	Mallard, water 20+	Y
L-004	10:40	N/A	cloudy	brown	rotten egg	none	↓	Y
L-005	11:15	calm	cloudy	brown	none	none		Y
L-006	11:40	N/A	cloudy	brown	rotten egg	none		Y

Table 1

Groundwater Monitoring Well Construction Details

Well ID	Total Well Depth (ft bTOC)	Well Diameter (in)	TOC Elevation (ft amsl)	Depth to Water 12/17/2018	Time	Depth to Water 8/24/2015 (ft bTOC)	Wellhead Condition/ Notes
C-1	14.5	n/a	11.47	7.45	1335	n/a	
C-2	14.5	2	11.19	7.17	1350	5.11	
CCPE	20	2	12.94	11.6	1359	5.76	
CCPNE		2	13.68	9.19	1406	6.44	
CCPSW		2	13.67	9.6	1420	6.29	
CCW-4		1	15.77	6.19	1500	6.50	
GH6-M1	35	2	NA	——		28.92	
GH8-M3	40	2	~~28.17~~	28.17	0946	28.37	
GH9-M4	45	2	NA	——		30.31	
LAMW-5S	20	4	104.55	51.93		53.71	
M6-1	45	2		6.64	1007	6.61	
M6-2	20	2		4.25	1009	5.76	
M7-1	40	2		7.97	0959	8.09	
M7-2	25	2		7.82	0958	7.78	25.35 TOT. well depth.
MBCMW-5	19.4	n/a	29.03	NA ——		n/a	
MBCMW-6	64.26	n/a	29.02	NA ——		n/a	
MBCMW-7	52.5	2	16.64	11.57	1047	11.26	
MBCMW-8	10	2	16.53	~~11.57~~ 8.1	~~1047~~ 1044	9.11	
MBCMW-9	10	2	17.71	~~8.1~~ 9.3	~~1044~~ 1447	8.70	51.3 TWD
MBCMW-10	53	2	17.74	7.6	1448	8.63	9.25 TWD
MCWP-MW01	148	6	17.90	11.05	1105	10.22	
MCWP-MW02	145	6	18.06	12.37	1431	10.39	
MCWP-MW03	134	6		9.74	0940	7.65	
MCWP-MW04D	148	4		10.24	1102	9.35	
MCWP-MW04S	20	4		6.55	1058	7.55	
MCWP-MW05	158	4		8.35	1458	7.62	153.45 TWD
MCWP-MW06	153	2		10.61	1436	9.87	
MCWP-MW07D	134	2		8.55	0930	7.51	
MCWP-MW07S	20	2		5.65	0934	6.76	
MCWP-MW08	77	2		18.0	1145	7.64	79.3
MCWP-MW09	95	2	16.30	7.30	1125	7.52	24.75 TWD
MCWP-MW10	60	2		8.55	1219	5.70	22.15 TWD
WRONG P-4	~~P-4~~	4	12.16	~~7.55~~ 7.47	1341	4.58	
	P-9	4	12.17	8.23	1348	5.07	13.8 TWD
SMBRP-2	25	2	13.13	9.08	1045	6.04	
SMBRP-6	25	2	26.88	15.27	1035	16.49	
SMBRP-7B	45	2	18.99	10.55	1509	10.69	
SMBRP-8 (EG-RC MW01)	60	4		29.10	0910	28.74	
SMBRP-9	45	2	50.32	37.20	1355	38.24	44.95 Dry
SMBRP-10C	25	2	16.25	6.55	1027	7.37	
SMBRP-11	20	2	18.35	8.20	0950	8.88	
SMBRP-12	25	2	12.62	6.78	1131	5.69	89.72 TWD
SMBRP-13	20	2	13.58	8.5	1153	8.32	19.4 TWD
SMBRP-15B	25	1	16.77	→		Dry	Dry
SMBRP-16	25	2	14.50	4.15	1036	4.95	

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 12.17.18
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-9
Observation Period Start: 1355 0800 Stop: 1000	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By: Nico.

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	44.95
Initial/Static Depth to Water (ft)	37.20	Length of Water Column (ft)	7.75
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.2	Three Casing Volumes (gal)	3.7
Purge Time, Start	0800	Purge Time, Stop	0910
Total Purge Time (minutes)	10	Purge Rate (gpm)	0.4
Purge Volume (gal)	4.0	Depth to Water (ft) at Sampling	37.22

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	1.5	2.5	4.0				At Sampling
Temperature (C)	20.4	21.7	21.8	21.9				→
pH	7.38	7.37	7.38	7.37				→
Conductivity (µS)	1775	2014	2172	2194				→
Dissolved Oxygen (mg/L)	3.60	3.61	3.83	3.95				→
Dissolved Oxygen (%)	40.0	40.38.4	43.8	45.1				→
TDS ~~(ppm)~~ (mg/L)	1154	1310	1413	1427				→
Turbidity (NTU)	33.0	41.0	80.0	56.17				→

Depth to Water at End of Purge (ft)	39.68	Drawdown (ft)	2.48

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments: Sampled Time: 0950

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

37.20 + 0.2 * 2.48 = 37.69

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 12.17.16
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-11
Observation Period Start: 1310 Stop: 1330	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By: Nico.

PURGING DATA

Type of Pump	HAND BAIL	Pump Inlet Depth (ft)	-
Well Diameter (in)	2	Depth of Well (ft)	20.18
Initial/Static Depth to Water (ft)	8.20	Length of Water Column (ft)	11.98
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.9	Three Casing Volumes (gal)	5.7
Purge Time, Start	1315	Purge Time, Stop	1325
Total Purge Time (minutes)	10	Purge Rate (gpm)	0.5
Purge Volume (gal)	5.0	Depth to Water (ft) at Sampling	8.15

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	5.0				At Sampling
Temperature (C)	22.4	22.2	22.2	WELL				22.3
pH	7.47	7.25	7.24	DEWATERED				7.11
Conductivity (µS)	2432	2430	2429	@ 5.0 GAL.				2267
Dissolved Oxygen (mg/L)	5.5	5.7	6.0					3.46
Dissolved Oxygen (%)	59.2	59.9	65.5					40.1
TDS (ppm)	1216	1215	1214					1473
Turbidity (NTU)	614	771	892					29.6

Depth to Water at End of Purge (ft): 19.56 Drawdown (ft): 11.36

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD, 2/2 TABS BROKEN.

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR.

Comments: Sampled Time: 1115 - 12.18.16

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

9.20 + 0.2 * 11.36 = 10.47

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No: 15-01587	Date: 12.18.18
Project/Location Malibu, CA Civic Center Area	Well Number: SMBRP-12
Observation Period Start: 1150 Stop: 1240	Survey Reference Point: TOC
Sampled By: Peter Doran	Witnessed By: Nico

PURGING DATA

Type of Pump	HAND BA.	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	24.75
Initial/Static Depth to Water (ft)	7.30	Length of Water Column (ft)	17.45
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	2.8	Three Casing Volumes (gal)	8.4
Purge Time, Start	1200	Purge Time, Stop	1220
Total Purge Time (minutes)	20	Purge Rate (gpm)	0.4
Purge Volume (gal)	8.5	Depth to Water (ft) at Sampling	7.30

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	3.0	6.0	8.5				At Sampling
Temperature (C)	23.3	23.4	23.4	23.4				—
pH	7.35	7.33	7.34	7.35				—
Conductivity (µS)	3201	3222	3240	3273				—
Dissolved Oxygen (mg/L)	2.90	2.51	2.58	2.60				—
Dissolved Oxygen (%)	34.4	27.4	28.4	28.1				—
TDS (ppm)	2091	2094	2111	2120				—
Turbidity (NTU)	73.5	89.6	145.3	159.1				—

Depth to Water at End of Purge (ft)	0.12 7.42	Drawdown (ft)	0.12

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: Good

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: Clear.

Comments: Sampled Time: 1230

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

7.30 + 0.2 * 0.12 = 7.32

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	12.17.18
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW04S
Observation Period	Start: 1120 Stop: 1155	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	Nico.

PURGING DATA

Type of Pump	Grundfos	Pump Inlet Depth (ft)	20'
Well Diameter (in)	4	Depth of Well (ft)	20.39
Initial/Static Depth to Water (ft)	6.54	Length of Water Column (ft)	13.85
Product Thickness (ft)	-	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	9.0	Three Casing Volumes (gal)	27.0
Purge Time, Start	1125	Purge Time, Stop	1140
Total Purge Time (minutes)	15	Purge Rate (gpm)	1.0
Purge Volume (gal)	15	Depth to Water (ft) at Sampling	6.56

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	9.0						At Sampling
Temperature (C)	24.0	24.3						23.2
pH	7.71	7.66	WELL DEWATERED @15 GAL.					7.42
Conductivity (~~uS~~ MS)	7.53	6.69						6527 uS
Dissolved Oxygen (mg/L)	0.6	0.7						6.25
Dissolved Oxygen (%)	6	6						74.7
TDS (~~ppm~~) (ppt)	3.93	3.35						4249 mg/L
Turbidity (NTU)	16.1	14.6						4.5

Depth to Water at End of Purge (ft)	19.66	Drawdown (ft)	13.12

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear.

Comments: Sampled Time: 1130 12.18.18

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.54 + 0.2 * 13.12 = 9.16

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	12.19.18
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW04D
Observation Period	Start: 0900 Stop: 1245	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	NICO N.

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	145
Well Diameter (in)	4	Depth of Well (ft)	147.30
Initial/Static Depth to Water (ft)	~~9.20~~ 10.24	Length of Water Column (ft)	137.06
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	89.09	Three Casing Volumes (gal)	267.3
Purge Time, Start	0922	Purge Time, Stop	1245
Total Purge Time (minutes)	143	Purge Rate (gpm)	1.9
Purge Volume (gal)	267.5	Depth to Water (ft) at Sampling	10.25

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	89.5	178.5	267.5				At Sampling
Temperature (C)	18.4	19.2	19.4	19.4				—
pH	7.30	7.37	7.36	7.37				—
Conductivity (µS)	2130	2252	2235	2230				—
Dissolved Oxygen (mg/L)	3.19	2.33	2.30	2.29				—
Dissolved Oxygen (%)	34.1	25.2	26.0	24.8				—
TDS (ppm)	1397	1466	1453	1449				—
Turbidity (NTU)	9.2	4.0	1.6	4.0				—

Depth to Water at End of Purge (ft): 10.40 Drawdown (ft): 0.16

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box: GOOD

Drum Identification labeling: **Non-Hazardous Waste**

Water Level Indicator: **Solinst Model 101**

Weather Conditions: CLEAR

Comments: Sampled Time: 1230

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

10.24 + 0.2 * 0.16 = 10.27

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	12-17-18
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW07S
Observation Period	Start: 1210 Stop: 1310	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	Nico

PURGING DATA

Type of Pump	Hand Bail	Pump Inlet Depth (ft)	—
Well Diameter (in)	2	Depth of Well (ft)	17.04
Initial/Static Depth to Water (ft)	5.65	Length of Water Column (ft)	11.39
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	1.8	Three Casing Volumes (gal)	5.46
Purge Time, Start	1245	Purge Time, Stop	1305
Total Purge Time (minutes)	20	Purge Rate (gpm)	0.2
Purge Volume (gal)	5.5	Depth to Water (ft) at Sampling	5.65

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	2.0	4.0	5.5				At Sampling
Temperature (C)	21.6	21.5	21.5	21.5				21.3
pH	7.66	7.69	7.69	7.69				7.52
Conductivity (µS)	1739	1837	1840	1846				1788
Dissolved Oxygen (mg/L)	7.9	7.8	7.7	7.7				4.70
Dissolved Oxygen (%)	86.2	85.5	85.1	84.9				53.3
TDS (ppm)	870	906	920	923				1162
Turbidity (NTU)	826	896	912	983				96.9

Depth to Water at End of Purge (ft)	16.35	Drawdown (ft)	10.73

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear.

Comments: Sampled Time: 1030 12.18.18

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

5.56 + 0.2 * 10.73 = 7.70

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	12.18.15
Project/Location	Malibu, CA Civic Center Area	Well Number:	~~SMBRP-9~~ MCWP-MW07D
Observation Period	Start: 1020 Stop: 1110	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	N:C

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	125'
Well Diameter (in)	2	Depth of Well (ft)	128.42
Initial/Static Depth to Water (ft)	8.55	Length of Water Column (ft)	119.87
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	19.2	Three Casing Volumes (gal)	57.5
Purge Time, Start	1029	Purge Time, Stop	1057
Total Purge Time (minutes)	29	Purge Rate (gpm)	2.0
Purge Volume (gal)	57.5	Depth to Water (ft) at Sampling	8.60

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	19.5	38.5	57.5				At Sampling
Temperature (C)	21.2	21.9	22.0	22.1				→ 22.1
pH	6.96	7.29	7.32	7.35				7.35
Conductivity (µS)	233.7	2971	2995	2937				2937
Dissolved Oxygen (mg/L)	2.13	1.95	1.93	1.23				1.23
Dissolved Oxygen (%)	23.9	22.4	22.2	15.0				15.0
TDS (ppm)	152	1929	1946	1904				1903
Turbidity (NTU)	17.5	8.6	6.4	2.2				2.2

Depth to Water at End of Purge (ft)	9.82	Drawdown (ft)	1.27

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear

Comments: Sampled Time: 1105

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

8.55 + 0.2 * 1.27 = 8.90

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	12.18.19
Project/Location	Malibu, CA Civic Center Area	Well Number:	MCWP-MW09
Observation Period	Start: 1140 Stop: 1245	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	Nico.

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	88'
Well Diameter (in)	2	Depth of Well (ft)	99.72
Initial/Static Depth to Water (ft)	6.78	Length of Water Column (ft)	92.94
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.16
One Casing Volume (gal)	13.3	Three Casing Volumes (gal)	39.8
Purge Time, Start	1145	Purge Time, Stop	1205
Total Purge Time (minutes)	20	Purge Rate (gpm)	2.0
Purge Volume (gal)	40.0	Depth to Water (ft) at Sampling	

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	13.5	27.0	40.0				At Sampling
Temperature (C)	21.8	21.8	21.7	21.7				—
pH	7.66	7.63	7.60	7.59				—
Conductivity (µS)	3242	3122	3130	3135				—
Dissolved Oxygen (mg/L)	2.45	2.38	2.40	2.25				—
Dissolved Oxygen (%)	28.0	27.3	27.5	25.5				—
TDS (ppm)	2101	2030	2034	2038				—
Turbidity (NTU)	7.5	3.8	3.5	4.9				—

Depth to Water at End of Purge (ft)	7.29	Drawdown (ft)	0.51

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	Good
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	Clear.

Comments: Sampled Time: 1240

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

6.78 + 0.2 * 0.51 = 6.88

Rincon Consultants, Inc.
GROUND WATER SAMPLING/PURGING DATA SHEET

Job No:	15-01587	Date:	12.17.18
Project/Location	Malibu, CA Civic Center Area	Well Number:	LAMW - 5S
Observation Period	Start: 1025 Stop: 1130	Survey Reference Point:	TOC
Sampled By:	Peter Doran	Witnessed By:	—

PURGING DATA

Type of Pump	GRUNDFOS	Pump Inlet Depth (ft)	73'
Well Diameter (in)	4	Depth of Well (ft)	73.97
Initial/Static Depth to Water (ft)	51.93	Length of Water Column (ft)	22.04
Product Thickness (ft)	—	Volume Multiplier (gal/ft)	0.65
One Casing Volume (gal)	14.3	Three Casing Volumes (gal)	42.97
Purge Time, Start	1045	Purge Time, Stop	1115
Total Purge Time (minutes)	30	Purge Rate (gpm)	0.8
Purge Volume (gal)	25	Depth to Water (ft) at Sampling	51.94

CASING OR BOREHOLE VOLUME

0.5-inch Diameter = 0.010 gal/ft	4-inch Diameter = 0.65 gal/ft
0.75-inch Diameter = 0.023 gal/ft	6-inch Diameter = 1.46 gal/ft
1-inch Diameter = 0.041 gal/ft	9-inch Diameter = 3.30 gal/ft
1.5-inch Diameter = 0.092 gal/ft	12-inch Diameter = 5.87 gal/ft
2-inch Diameter = 0.16 gal/ft	15-inch Diameter = 9.18 gal/ft

INDICATOR DATA

Volume Pumped (gal)	Before Purge	14.5	25					At Sampling
Temperature (C)	21.9	23.2	WELL					21.3
pH	7.26	7.20	DEWATERED @ 25 GAL.					7.36
Conductivity (µS)	1076	995						982
Dissolved Oxygen (mg/L)	4.24	4.20						5.17
Dissolved Oxygen (%)	48.5	47.6						58.4
TDS (ppm)	511	498						638
Turbidity (NTU)	17.0	36.2						5.2

Depth to Water at End of Purge (ft)	72.66	Drawdown (ft)	20.73

Comments:

MISCELLANEOUS DATA

Condition of Traffic Box:	GOOD
Drum Identification labeling:	**Non-Hazardous Waste**
Water Level Indicator:	**Solinst Model 101**
Weather Conditions:	CLEAR.

Comments: Sampled Time: 1000 12.18.18

Well Recovery Calculation

Static Depth to Water in feet + (0.2) (maximum Drawdown in feet) = Depth to Water at 80% Recovery

51.93 + 0.2 * 20.73 = 56.07

Appendix B

Analytical Laboratory Reports

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Lab Request: 408166
Report Date: 11/14/2018
Date Received: 11/06/2018
Client ID: 15888

Comments: Malibu GWM
15-01587

The Fecal Coliform results are unreportable due to issues with the test media.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
408166-001	LAMW-5S
408166-002	MCWP-MW09
408166-003	MCWP-MW04S
408166-004	SMBRP-9
408166-005	SMBRP-11
408166-006	SMBRP-12

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

ACCREDITED IN ACCORDANCE WITH nelac

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/06/2018 11:00	**Site:**			
Sample #:	**408166-001**	**Client Sample #:**	LAMW-5S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.1 J**	1	0.04	0.5	mg/L		11/13/18	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**11.5**	1	0.1	0.5	mg/L		11/13/18	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1197467
Total Oil and Grease	ND	1.05	1.47	5.25	mg/L	11/08/18	11/08/18	DXN	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1197393
Boron	**0.285**	1	0.009	0.05	mg/L	11/07/18	11/07/18	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1197413
Chloride	**99.4**	1	0.086	1	mg/L	11/06/18	11/06/18 17:36	JP	
Nitrate + Nitrite, as Nitrogen	**11.4**	1	0.018	0.1	mg/L	11/06/18	11/06/18 17:36	JP	
Nitrate, as Nitrogen	**11.4**	1	0.012	0.1	mg/L	11/06/18	11/06/18 17:36	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/06/18	11/06/18 17:36	JP	
Sulfate	**70.4**	1	0.077	1	mg/L	11/06/18	11/06/18 17:36	JP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1197421
Color	ND	1	5	5	Color Unit		11/06/18 18:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1197423
Turbidity	**78**	1	0.1	0.1	NTU		11/06/18 18:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1197422
Odor Threshold	ND	1	1	1	T.O.N		11/06/18 18:00	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1197541
Total Dissolved Solids	**590**	2	20	20	mg/L	11/10/18	11/11/18	NP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1197546
Total Suspended Solids	**107**	2	1	1	mg/L	11/09/18	11/09/18	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1197420
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/06/18 18:08	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1197448
pH	**7.00**	1			pH Units	11/07/18 09:45	11/07/18 10:02	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1197457
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1197504
Total Kjeldahl Nitrogen	**0.124 J**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	J
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1197587
Total Phosphorous as P	**1.775**	5	0.05	0.1	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**5.44**	5	0.15	0.3	mg/L	11/13/18	11/13/18	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1197404
BOD	ND	1	1.5	3	mg/L	11/07/18	11/07/18 10:02	WW	
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1197550
Total Organic Carbon (TOC)	**3.21**	1	0.203	1	mg/L	11/09/18	11/09/18	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1197558
MBAS	**0.26**	1	0.018	0.04	mg/L	11/08/18 08:30	11/08/18 20:03	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1197400
Total Coliform	**>2400**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/06/2018 10:20	**Site:**			
Sample #:	**408166-002**	**Client Sample #:**	MCWP-MW09	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.2 J**	1	0.04	0.5	mg/L		11/13/18	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**0.34 J**	1	0.1	0.5	mg/L		11/13/18	SLL	J
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1197467
Total Oil and Grease	**2.7 J**	1.05	1.47	5.25	mg/L	11/08/18	11/08/18	DXN	J
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1197393
Boron	**0.689**	1	0.009	0.05	mg/L	11/07/18	11/07/18	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1197413
Chloride	**479**	10	0.86	10	mg/L	11/06/18	11/08/18 00:23	JP	
Nitrate + Nitrite, as Nitrogen	**0.09 J**	1	0.018	0.1	mg/L	11/06/18	11/06/18 17:58	JP	J
Nitrate, as Nitrogen	**0.09 J**	1	0.012	0.1	mg/L	11/06/18	11/06/18 17:58	JP	J
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/06/18	11/06/18 17:58	JP	
Sulfate	**475**	10	0.77	10	mg/L	11/06/18	11/08/18 00:23	JP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1197421
Color	ND	1	5	5	Color Unit		11/06/18 18:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1197423
Turbidity	**17**	1	0.1	0.1	NTU		11/06/18 18:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1197422
Odor Threshold	ND	1	1	1	T.O.N		11/06/18 18:00	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1197541
Total Dissolved Solids	**1740**	2	20	20	mg/L	11/10/18	11/11/18	NP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1197546
Total Suspended Solids	**31.3**	1.05	0.525	0.525	mg/L	11/09/18	11/09/18	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1197420
Chlorine, Total Residual	**0.02 J**	1	0.016	0.1	mg/L		11/06/18 18:08	WW	J,T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1197448
pH	**7.42**	1			pH Units	11/07/18 09:45	11/07/18 10:05	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1197457
Ammonia, as Nitrogen	**0.072 J**	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	J
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1197504
Total Kjeldahl Nitrogen	**0.255 J**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	J
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1197587
Total Phosphorous as P	**0.302**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**0.926**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1197404
BOD	**13**	1	1.5	3	mg/L	11/07/18	11/07/18 10:05	WW	
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1197550
Total Organic Carbon (TOC)	**14.0**	1	0.203	1	mg/L	11/09/18	11/09/18	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1197558
MBAS	**3.6**	5	0.09	0.2	mg/L	11/08/18 08:30	11/08/18 20:03	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1197400
Total Coliform	**>2400**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/06/2018 11:30	**Site:**			
Sample #:	**408166-003**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.6**	1	0.04	0.5	mg/L		11/13/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.80**	1	0.1	0.5	mg/L		11/13/18	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1197467
Total Oil and Grease	ND	1.05	1.47	5.25	mg/L	11/08/18	11/08/18	DXN	
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1197393
Boron	**1.88**	1	0.009	0.05	mg/L	11/07/18	11/07/18	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197413
Chloride	**663**	50	4.3	50	mg/L	11/06/18	11/08/18 00:46	JP	
Nitrate + Nitrite, as Nitrogen	**0.21**	1	0.018	0.1	mg/L	11/06/18	11/06/18 18:21	JP	
Nitrate, as Nitrogen	**0.21**	1	0.012	0.1	mg/L	11/06/18	11/06/18 18:21	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/06/18	11/06/18 18:21	JP	
Sulfate	**3050**	50	3.85	50	mg/L	11/06/18	11/08/18 00:46	JP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1197421
Color	ND	1	5	5	Color Unit		11/06/18 18:00	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1197423
Turbidity	**13**	1	0.1	0.1	NTU		11/06/18 18:00	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1197422
Odor Threshold	ND	1	1	1	T.O.N		11/06/18 18:00	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1197586
Total Dissolved Solids	**5820**	2	20	20	mg/L	11/12/18	11/13/18	TP	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1197546
Total Suspended Solids	**28.6**	2	1	1	mg/L	11/09/18	11/09/18	TP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1197420
Chlorine, Total Residual	**0.30**	1	0.016	0.1	mg/L		11/06/18 18:08	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1197448
pH	**7.54**	1			pH Units	11/07/18 09:45	11/07/18 10:07	WW	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	**0.013 J**	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197504
Total Kjeldahl Nitrogen	**0.585**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1197587
Total Phosphorous as P	**0.149**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**0.457**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1197404
BOD	ND	1	1.5	3	mg/L	11/07/18	11/07/18 10:07	WW	BQ2
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1197550
Total Organic Carbon (TOC)	**22.2**	1	0.203	1	mg/L	11/09/18	11/09/18	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1197558
MBAS	**0.11**	1	0.018	0.04	mg/L	11/08/18 08:30	11/08/18 20:03	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197400
Total Coliform	**1**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/06/2018 08:50	**Site:**			
Sample #:	**408166-004**	**Client Sample #:**	SMBRP-9	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.4 J**	1	0.04	0.5	mg/L		11/13/18	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**10.1**	1	0.1	0.5	mg/L		11/13/18	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1197467
Total Oil and Grease	ND	1.05	1.47	5.25	mg/L	11/08/18	11/08/18	DXN	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1197393
Boron	**0.577**	1	0.009	0.05	mg/L	11/07/18	11/07/18	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1197413
Chloride	**235**	10	0.86	10	mg/L	11/06/18	11/08/18 01:08	JP	
Nitrate + Nitrite, as Nitrogen	**9.69**	1	0.018	0.1	mg/L	11/06/18	11/06/18 18:43	JP	
Nitrate, as Nitrogen	**9.69**	1	0.012	0.1	mg/L	11/06/18	11/06/18 18:43	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/06/18	11/06/18 18:43	JP	
Sulfate	**434**	10	0.77	10	mg/L	11/06/18	11/08/18 01:08	JP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1197421
Color	ND	1	5	5	Color Unit		11/06/18 18:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1197423
Turbidity	**78**	1	0.1	0.1	NTU		11/06/18 18:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1197422
Odor Threshold	ND	1	1	1	T.O.N		11/06/18 18:00	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1197541
Total Dissolved Solids	**1840**	2	20	20	mg/L	11/10/18	11/11/18	NP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1197546
Total Suspended Solids	**143**	2	1	1	mg/L	11/09/18	11/09/18	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1197420
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/06/18 18:08	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1197448
pH	**7.18**	1			pH Units	11/07/18 09:45	11/07/18 10:09	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1197457
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1197504
Total Kjeldahl Nitrogen	**0.370 J**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	J
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1197587
Total Phosphorous as P	**0.128**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**0.392**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1197404
BOD	**2 J**	1	1.5	3	mg/L	11/07/18	11/07/18 10:09	WW	J,BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1197550
Total Organic Carbon (TOC)	**9.85**	1	0.203	1	mg/L	11/09/18	11/09/18	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1197558
MBAS	**0.47**	1	0.018	0.04	mg/L	11/08/18 08:30	11/08/18 20:03	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1197400
Total Coliform	**11**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/06/2018 10:40	**Site:**			
Sample #:	**408166-005**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.8**	1	0.04	0.5	mg/L		11/13/18	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**19.4**	1	0.1	0.5	mg/L		11/13/18	SLL	
Method: EPA 1664A	Prep Method: Method						QCBatchID:		QC1197467
Total Oil and Grease	ND	1.05	1.47	5.25	mg/L	11/08/18	11/08/18	DXN	
Method: EPA 200.7	Prep Method: EPA 200.7						QCBatchID:		QC1197393
Boron	**0.652**	1	0.009	0.05	mg/L	11/07/18	11/07/18	SBW	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1197413
Chloride	**323**	10	0.86	10	mg/L	11/06/18	11/08/18 01:53	JP	
Nitrate + Nitrite, as Nitrogen	**17.2**	1	0.018	0.1	mg/L	11/06/18	11/06/18 19:06	JP	
Nitrate, as Nitrogen	**16.5**	1	0.012	0.1	mg/L	11/06/18	11/06/18 19:06	JP	
Nitrite, as Nitrogen	**0.73**	1	0.018	0.1	mg/L	11/06/18	11/08/18 01:31	JP	
Sulfate	**378**	10	0.77	10	mg/L	11/06/18	11/08/18 01:53	JP	
Method: SM 2120-B	Prep Method: Method						QCBatchID:		QC1197421
Color	ND	1	5	5	Color Unit		11/06/18 18:00	WW	
Method: SM 2130-B	Prep Method: Method						QCBatchID:		QC1197423
Turbidity	**53**	1	0.1	0.1	NTU		11/06/18 18:00	WW	
Method: SM 2150-B	Prep Method: Method						QCBatchID:		QC1197422
Odor Threshold	ND	1	1	1	T.O.N		11/06/18 18:00	WW	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1197541
Total Dissolved Solids	**1570**	2	20	20	mg/L	11/10/18	11/11/18	NP	
Method: SM 2540-D	Prep Method: SM 2540-D						QCBatchID:		QC1197546
Total Suspended Solids	**266**	5	2.5	2.5	mg/L	11/09/18	11/09/18	TP	
Method: SM 4500-Cl	Prep Method: Method						QCBatchID:		QC1197420
Chlorine, Total Residual	**0.12**	1	0.016	0.1	mg/L		11/06/18 18:08	WW	T2
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1197448
pH	**6.74**	1			pH Units	11/07/18 09:45	11/07/18 10:12	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1197457
Ammonia, as Nitrogen	**1.38**	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1197504
Total Kjeldahl Nitrogen	**2.2**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1197587
Total Phosphorous as P	**0.085**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**0.261**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: SM 5210-B	Prep Method: Method/5day						QCBatchID:		QC1197404
BOD	**6**	1	1.5	3	mg/L	11/07/18	11/07/18 10:12	WW	BQ2
Method: SM 5310B	Prep Method: Method						QCBatchID:		QC1197550
Total Organic Carbon (TOC)	**11.3**	1	0.203	1	mg/L	11/09/18	11/09/18	TP	
Method: SM 5540-C	Prep Method: Method						QCBatchID:		QC1197558
MBAS	**0.14**	1	0.018	0.04	mg/L	11/08/18 08:30	11/08/18 20:03	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1197400
Total Coliform	**27**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/06/2018 10:30	**Site:**			
Sample #:	**408166-006**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		11/13/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**3.46**	1	0.1	0.5	mg/L		11/13/18	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1197467
Total Oil and Grease	ND	1.05	1.47	5.25	mg/L	11/08/18	11/08/18	DXN	
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1197393
Boron	**0.823**	1	0.009	0.05	mg/L	11/07/18	11/07/18	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197413
Chloride	**491**	10	0.86	10	mg/L	11/06/18	11/08/18 02:16	JP	
Nitrate + Nitrite, as Nitrogen	**0.06 J**	1	0.018	0.1	mg/L	11/06/18	11/06/18 19:28	JP	J
Nitrate, as Nitrogen	**0.06 J**	1	0.012	0.1	mg/L	11/06/18	11/06/18 19:28	JP	J
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	11/06/18	11/06/18 19:28	JP	
Sulfate	**482**	10	0.77	10	mg/L	11/06/18	11/08/18 02:16	JP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1197421
Color	ND	1	5	5	Color Unit		11/06/18 18:00	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1197423
Turbidity	**820**	1	0.1	0.1	NTU		11/06/18 18:00	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1197422
Odor Threshold	ND	1	1	1	T.O.N		11/06/18 18:00	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1197541
Total Dissolved Solids	**1820**	2	20	20	mg/L	11/10/18	11/11/18	NP	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1197546
Total Suspended Solids	**1010**	10	5	5	mg/L	11/09/18	11/09/18	TP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1197420
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/06/18 18:08	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1197448
pH	**7.13**	1			pH Units	11/07/18 09:45	11/07/18 10:16	WW	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	**4.44**	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197504
Total Kjeldahl Nitrogen	**3.4**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1197587
Total Phosphorous as P	**0.972**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**2.98**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1197404
BOD	**2 J**	1	1.5	3	mg/L	11/07/18	11/07/18 10:16	WW	J,BQ2
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1197550
Total Organic Carbon (TOC)	**8.92**	1	0.203	1	mg/L	11/09/18	11/09/18	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1197558
MBAS	**0.082 J**	2.5	0.045	0.1	mg/L	11/08/18 08:30	11/08/18 20:03	TP	J
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197400
Total Coliform	**>2400**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

QCBatchID: QC1197393 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 11/07/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197393MB1					
Boron	ND	mg/L	0.03	0.05	
Cadmium	ND	mg/L	0.001	0.005	
Chromium	ND	mg/L	0.002	0.01	
Copper	**0.008 J**	mg/L	0.004	0.01	
Lead	ND	mg/L	0.005	0.01	
Nickel	ND	mg/L	0.003	0.01	
Silver	**0.007**	mg/L	0.003	0.005	B
Zinc	ND	mg/L	0.007	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197393LCS1											
Boron	2		2.00		mg/L	100			85-115		
Cadmium	2		1.84		mg/L	92			85-115		
Chromium	2		1.82		mg/L	91			85-115		
Copper	2		1.85		mg/L	93			85-115		
Lead	2		1.89		mg/L	95			85-115		
Nickel	2		1.95		mg/L	98			85-115		
Silver	2		2.04		mg/L	102			85-115		
Zinc	2		1.97		mg/L	99			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197393MS1												**Source: 408150-001**
Boron	0.180	1		1.17		mg/L	99			75-125		
Cadmium	ND	1		0.885		mg/L	89			75-125		
Chromium	ND	1		0.895		mg/L	90			75-125		
Copper	0.010	1		0.919		mg/L	91			75-125		
Lead	ND	1		0.914		mg/L	91			75-125		
Nickel	0.002	1		0.901		mg/L	90			75-125		
Silver	ND	1		1.01		mg/L	101			75-125		
Zinc	0.010	1		0.930		mg/L	92			75-125		
QC1197393MS2												**Source: 408166-001**
Boron	0.285	1		1.39		mg/L	111			75-125		
Cadmium	ND	1		0.932		mg/L	93			75-125		
Chromium	0.003	1		0.943		mg/L	94			75-125		
Copper	0.010	1		0.990		mg/L	98			75-125		
Lead	ND	1		0.922		mg/L	92			75-125		
Nickel	0.010	1		0.913		mg/L	90			75-125		
Silver	ND	1		1.08		mg/L	108			75-125		
Zinc	0.005	1		0.936		mg/L	93			75-125		

QCBatchID:	**QC1197404**	**Analyst:**	Echavez	**Method:**	SM 5210-B
Matrix:	Water	**Analyzed:**	11/07/2018	**Instrument:**	MICRO (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197404MB1					
BOD	ND	mg/L	1.5	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197404LCS1											
BOD	198		189		mg/L	95			84.6-115.4		

QCBatchID: QC1197413 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 11/06/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197413MB1					
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1197413LCS1, QC1197413LCSD1											
Chloride	100	100	104	106	mg/L	104	106	2	90-110	20	
Nitrate, as Nitrogen	9.03	9.03	9.09	9.14	mg/L	101	101	1	90-110	20	
Nitrite, as Nitrogen	9.15	9.15	10.1	10.1	mg/L	110	110	0	90-110	20	
Sulfate	50	50	51.4	51.7	mg/L	103	103	1	90-110	20	

QCBatchID:	**QC1197420**	**Analyst:**	wei	**Method:**	SM 4500-Cl
Matrix:	Water	**Analyzed:**	11/06/2018	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197420MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197420LCS1											
Chlorine, Total Residual	1		0.93		mg/L	93			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197420DUP1						**Source: 408166-003**
Chlorine, Total Residual	0.30	0.28	mg/L	6.9	20	

QCBatchID:	**QC1197421**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	11/06/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197421DUP1						**Source: 408166-006**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1197422**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	11/06/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197422DUP1						**Source: 408166-006**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID:	**QC1197423**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	11/06/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197423DUP1						**Source: 408170-001**
Turbidity	0.92	0.92	NTU	0.0	20	

QCBatchID:	**QC1197448**	**Analyst:**	npham	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	11/07/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197448DUP1						**Source: 408147-001**
pH	7.43	7.45	pH Units	0.3	20	

QCBatchID: QC1197457 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 11/08/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197457MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197457LCS1											
Ammonia, as Nitrogen	5		5.08		mg/L	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197457MS1, QC1197457MSD1												**Source: 408166-001**
Ammonia, as Nitrogen	ND	5	5	6.40	6.38	mg/L	128	128	0.3	80-120	20	M

QCBatchID: QC1197467 **Analyst:** DNguyen **Method:** EPA 1664A

Matrix: Water **Analyzed:** 11/08/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197467MB1					
Non-Polar Oil and Grease	ND	mg/L	0.8	5	
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1197467LCS1, QC1197467LCSD1											
Non-Polar Oil and Grease	20	20	25.6	25.7	mg/L	128	129	0	64-132	34	
Total Oil and Grease	40	40	45.2	45.1	mg/L	113	113	0	78-114	18	

QCBatchID: QC1197504	**Analyst:** trinh		**Method:** SM 4500-NH3-G		
Matrix: Water	**Analyzed:** 11/08/2018		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197504MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197504LCS1											
Total Kjeldahl Nitrogen	2.5		2.8		mg/L	112			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197504MS1, QC1197504MSD1												**Source: 408225-001**
Total Kjeldahl Nitrogen	ND	12.5	12.5	14	15	mg/L	112	120	6.9	80-120	20	

QCBatchID: QC1197541 **Analyst:** trinh **Method:** SM 2540-C

Matrix: Water **Analyzed:** 11/11/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197541MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197541LCS1											
Total Dissolved Solids	3000		3100		mg/L	103			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197541DUP1						**Source: 408225-001**
Total Dissolved Solids	1650	1640	mg/L	0.6	5	

QCBatchID: QC1197546	**Analyst:** trinh	**Method:** SM 2540-D	
Matrix: Water	**Analyzed:** 11/09/2018	**Instrument:** CHEM (group)	

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197546MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197546DUP1						**Source: 408163-001**
Total Suspended Solids	86.5	86.5	mg/L	0.0	5	

QCBatchID: QC1197550 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 11/09/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197550MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	0.3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197550LCS1											
Total Organic Carbon (TOC)	10		10.1		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197550MS1, QC1197550MSD1												**Source: 408143-001**
Total Organic Carbon (TOC)	5.26	20	20	24.0	27.9	mg/L	94	113	15.0	80-120	20	

QCBatchID:	**QC1197558**	**Analyst:**	trinh	**Method:**	SM 5540-C
Matrix:	Water	**Analyzed:**	11/08/2018	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197558MB1					
MBAS	ND	mg/L	0.007	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1197558LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1197558MS1, QC1197558MSD1												**Source: 408257-002**
MBAS	0.020	1	1	1.0	1.0	mg/L	98	98	0.0	75-125	20	

QCBatchID: QC1197586 **Analyst:** trinh **Method:** SM 2540-C

Matrix: Water **Analyzed:** 11/13/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197586MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197586LCS1											
Total Dissolved Solids	95		100		mg/L	105			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197586DUP1						**Source: 408166-003**
Total Dissolved Solids	5820	5730	mg/L	1.6	5	

QCBatchID: QC1197587 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 11/13/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197587MB1					
Total Phosphate as P	ND	mg/L	0.01	0.02	
Total Phosphate as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1197587LCS1											
Total Phosphate as P	0.4		0.378		mg/L	95			80-120		
Total Phosphate as PO4	1.23		1.160		mg/L	94			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1197587MS1, QC1197587MSD1												**Source: 408225-001**
Total Phosphate as P	0.056	0.8	0.8	0.858	0.860	mg/L	100	101	0.2	75-125	20	
Total Phosphate as PO4	0.172	2.46	2.46	2.63	2.64	mg/L	100	100	0.4	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
806 N. Batavia St., Orange, CA 92868	Lab No: 408166	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714)771-9933	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu GWM
Report To:	Kiernan Brtalik	Number:	15-01587
Email:	KBrtalik@RinconConsultants.com	P.O. #:	
Address:	180 Ashwood Ave	Address:	
	Ventura CA		
Phone:	805-644-4455	Global ID:	
Fax:		Sampled By:	X Peter Doran

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: General Chemistry	Test Instructions / Comments
1	LAMW-55	11.6.18	1100	W	11/various	various	X	
2	MCWP-MW09	11.6.18	1020				X	
3	MCWP-MW04S	11.6.18	1130				X	
4	~~SMBRP-12~~ SMBRP-9	11.6.18	0850				X	
5	SMBRP-11	11.6.18	1040				X	
6	SMBRP-12	11.6.18	1030				X	
7								
8								
9								
10								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Peter Doran	Rincon	11.6.18 / 1307
1 Received By:		Kevin Nguyen	Enthalpy	11/6/18 1307
2 Relinquished By:			Enthalpy	11/6/18 1555
2 Received By:		Leah Atherman	EA	11/06/18 1555
3 Relinquished By:				
3 Received By:				

7.6/1.7 13.2/1.4 8.6/1.8

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: Malibu GWM

Date Received: 11/6/18 Sampler's Name Present: [X] Yes [ ] No

Section 2

Sample(s) received in a cooler? [✓] Yes, How many? 3 [ ] No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 8.6 #2: 13.2 #3: 7.6 #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: [✓] Ice [ ] Ice Packs [ ] Bubble Wrap [ ] Styrofoam [ ] Paper [ ] None [ ] Other _____

Cooler Temp (°C): #1: 1.9 #2: 1.4 #3: -1.7 #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? [ ] Verbal PM Initials: _____ Date/Time _____

[ ] Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/06/18

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Lab Request: 408169
Report Date: 11/14/2018
Date Received: 11/06/2018
Client ID: 15888

Comments: Malibu - Quarterly
Surface Water

The Fecal Coliform results are unreportable due to issues with the test media.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
408169-001	N-001
408169-002	N-002
408169-003	N-003
408169-004	N-004
408169-005	L-001
408169-006	L-002
408169-007	L-003
408169-008	L-004
408169-009	L-005
408169-010	L-006

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

ACCREDITED IN ACCORDANCE WITH nelac

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2018 12:00 **Site:**
Sample #: **408169-001** **Client Sample #:** N-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		11/13/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.16 J**	1	0.1	0.5	mg/L		11/13/18	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197413
Nitrate + Nitrite, as Nitrogen	**0.16**	1	0.018	0.1	mg/L	11/06/18	11/06/18 19:51	JP	
Nitrate, as Nitrogen	**0.16**	1	0.012	0.1	mg/L	11/06/18	11/06/18 19:51	JP	
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/06/18	11/07/18 19:53	JP	D2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197470
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1197587
Total Phosphorous as P	**0.041**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**0.126**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197400
Total Coliform	**<1**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2018 12:10 **Site:**
Sample #: **408169-002** **Client Sample #:** N-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		11/13/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.14 J**	1	0.1	0.5	mg/L		11/13/18	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197413
Nitrate + Nitrite, as Nitrogen	**0.14**	1	0.018	0.1	mg/L	11/06/18	11/06/18 20:13	JP	
Nitrate, as Nitrogen	**0.14**	1	0.012	0.1	mg/L	11/06/18	11/06/18 20:13	JP	
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/06/18	11/07/18 20:15	JP	D2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	**5.47**	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197470
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1197587
Total Phosphorous as P	**0.031**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**0.095**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197400
Total Coliform	**<1**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2018 12:15 **Site:**
Sample #: 408169-003 **Client Sample #:** N-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		11/13/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.23 J**	1	0.1	0.5	mg/L		11/13/18	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197413
Nitrate + Nitrite, as Nitrogen	**0.13**	1	0.018	0.1	mg/L	11/06/18	11/06/18 20:35	JP	
Nitrate, as Nitrogen	**0.13**	1	0.012	0.1	mg/L	11/06/18	11/06/18 20:35	JP	
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/06/18	11/07/18 20:38	JP	D2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	**0.466**	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197470
Total Kjeldahl Nitrogen	**0.100 J**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1197587
Total Phosphorous as P	**0.279**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**0.855**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197400
Total Coliform	**<1**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2018 12:50 **Site:**
Sample #: 408169-004 **Client Sample #:** N-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.40**	1	0.04	0.5	mg/L		11/13/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**1.40**	1	0.1	0.5	mg/L		11/13/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197430
Nitrate + Nitrite, as Nitrogen	ND	5	0.09	0.5	mg/L	11/07/18	11/07/18 21:00	JP	D2
Nitrate, as Nitrogen	ND	5	0.06	0.5	mg/L	11/07/18	11/07/18 21:00	JP	D2
Nitrite, as Nitrogen	ND	5	0.09	0.5	mg/L	11/07/18	11/07/18 21:00	JP	D2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197470
Total Kjeldahl Nitrogen	**1.4**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1197587
Total Phosphorous as P	**0.175**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**0.537**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197400
Total Coliform	**<1**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2018 10:05 **Site:**
Sample #: **408169-005** **Client Sample #:** L-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.40**	1	0.04	0.5	mg/L		11/13/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**1.40**	1	0.1	0.5	mg/L		11/13/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197430
Nitrate + Nitrite, as Nitrogen	ND	5	0.09	0.5	mg/L	11/07/18	11/07/18 21:23	JP	D2
Nitrate, as Nitrogen	ND	5	0.06	0.5	mg/L	11/07/18	11/07/18 21:23	JP	D2
Nitrite, as Nitrogen	ND	5	0.09	0.5	mg/L	11/07/18	11/07/18 21:23	JP	D2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197470
Total Kjeldahl Nitrogen	**1.4**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1197587
Total Phosphorous as P	**0.257**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**0.788**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197400
Total Coliform	**>2400**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2018 09:45 **Site:**
Sample #: **408169-006** **Client Sample #:** L-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.30**	1	0.04	0.5	mg/L		11/13/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**1.30**	1	0.1	0.5	mg/L		11/13/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197430
Nitrate + Nitrite, as Nitrogen	ND	5	0.09	0.5	mg/L	11/07/18	11/07/18 21:45	JP	D2
Nitrate, as Nitrogen	ND	5	0.06	0.5	mg/L	11/07/18	11/07/18 21:45	JP	D2
Nitrite, as Nitrogen	ND	5	0.09	0.5	mg/L	11/07/18	11/07/18 21:45	JP	D2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197470
Total Kjeldahl Nitrogen	**1.3**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1197587
Total Phosphorous as P	**0.308**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**0.944**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197400
Total Coliform	**2000**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2018 11:00 **Site:**
Sample #: **408169-007** **Client Sample #:** L-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.20**	1	0.04	0.5	mg/L		11/13/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**1.20**	1	0.1	0.5	mg/L		11/13/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197430
Nitrate + Nitrite, as Nitrogen	ND	5	0.09	0.5	mg/L	11/07/18	11/07/18 22:53	JP	D2
Nitrate, as Nitrogen	ND	5	0.06	0.5	mg/L	11/07/18	11/07/18 22:53	JP	D2
Nitrite, as Nitrogen	ND	5	0.09	0.5	mg/L	11/07/18	11/07/18 22:53	JP	D2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197470
Total Kjeldahl Nitrogen	**1.2**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1197587
Total Phosphorous as P	**0.161**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**0.494**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197400
Total Coliform	**1700**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2018 10:40 **Site:**
Sample #: **408169-008** **Client Sample #:** L-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		11/13/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.1	0.5	mg/L		11/13/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197430
Nitrate + Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/07/18	11/07/18 23:15	JP	D2
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	11/07/18	11/07/18 23:15	JP	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/07/18	11/07/18 23:15	JP	D2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197470
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1197587
Total Phosphorous as P	**0.085**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**0.261**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197400
Total Coliform	**2000**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2018 11:15 **Site:**
Sample #: **408169-009** **Client Sample #:** L-005 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.40**	1	0.04	0.5	mg/L		11/13/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**1.40**	1	0.1	0.5	mg/L		11/13/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197430
Nitrate + Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/07/18	11/07/18 23:38	JP	D2
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	11/07/18	11/07/18 23:38	JP	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/07/18	11/07/18 23:38	JP	D2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197470
Total Kjeldahl Nitrogen	**1.4**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1197587
Total Phosphorous as P	**0.211**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**0.647**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197400
Total Coliform	**700**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 11/06/2018 11:40 **Site:**
Sample #: **408169-010** **Client Sample #:** L-006 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.40**	1	0.04	0.5	mg/L		11/13/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**1.40**	1	0.1	0.5	mg/L		11/13/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197430
Nitrate + Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/07/18	11/08/18 00:00	JP	D2
Nitrate, as Nitrogen	ND	50	0.6	5	mg/L	11/07/18	11/08/18 00:00	JP	D2
Nitrite, as Nitrogen	ND	50	0.9	5	mg/L	11/07/18	11/08/18 00:00	JP	D2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197470
Total Kjeldahl Nitrogen	**1.4**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1197587
Total Phosphorous as P	**0.179**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphorous as PO4	**0.549**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197400
Total Coliform	**400**	1			MPN/100ml	11/06/18 16:39	11/07/18	LH	

QCBatchID: QC1197413 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 11/06/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197413MB1					
Chloride	ND	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1197413LCS1, QC1197413LCSD1											
Chloride	100	100	104	106	mg/L	104	106	2	90-110	20	
Nitrate, as Nitrogen	9.03	9.03	9.09	9.14	mg/L	101	101	1	90-110	20	
Nitrite, as Nitrogen	9.15	9.15	10.1	10.1	mg/L	110	110	0	90-110	20	
Sulfate	50	50	51.4	51.7	mg/L	103	103	1	90-110	20	

QCBatchID: QC1197430 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 11/07/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197430MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	**1.10**	mg/L	0.086	1	B
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrite, as NO2	ND	mg/L	0.06	0.33	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197430LCS1											
Bromide	15		16.0		mg/L	107			90-110		
Chloride	100		104		mg/L	104			90-110		
Nitrate, as Nitrogen	9.03		8.26		mg/L	91			90-110		
Nitrate, as NO3	40		36.6		mg/L	92			90-110		
Nitrite, as Nitrogen	9.15		9.93		mg/L	109			90-110		
Nitrite, as NO2	30		32.6		mg/L	109			90-110		
Sulfate	50		52.7		mg/L	105			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197430MS1, QC1197430MSD1												**Source: 408136-001**
Bromide	0.364	15	15	16.4	16.7	mg/L	107	109	1.8	80-120	20	
Chloride	74.8	100	100	175	175	mg/L	100	100	0.0	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.09	9.57	mg/L	101	106	5.1	80-120	20	
Nitrate, as NO3	ND	40	40	40.3	42.4	mg/L	101	106	5.1	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.79	9.85	mg/L	107	108	0.6	80-120	20	
Nitrite, as NO2	ND	30	30	32.1	32.3	mg/L	107	108	0.6	80-120	20	
Sulfate	13.6	50	50	65.9	66.8	mg/L	105	106	1.4	80-120	20	
QC1197430MS2, QC1197430MSD2												**Source: 408147-001**
Bromide	0.2	15	15	15.9	16.1	mg/L	105	106	1.3	80-120	20	
Chloride	133	100	100	224	225	mg/L	91	92	0.4	80-120	20	
Nitrate, as Nitrogen	2.25	9.03	9.03	11.0	10.8	mg/L	97	95	1.8	80-120	20	
Nitrate, as NO3	9.96	40	40	48.8	48.0	mg/L	97	95	1.7	80-120	20	
Nitrite, as Nitrogen	0.17	9.15	9.15	10.4	10.6	mg/L	112	114	1.9	80-120	20	
Nitrite, as NO2	0.55	30	30	34.3	34.6	mg/L	113	114	0.9	80-120	20	
Sulfate	70.8	50	50	117	119	mg/L	92	96	1.7	80-120	20	

QCBatchID: QC1197457 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 11/08/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197457MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197457LCS1											
Ammonia, as Nitrogen	5		5.08		mg/L	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197457MS1, QC1197457MSD1												**Source: 408166-001**
Ammonia, as Nitrogen	ND	5	5	6.40	6.38	mg/L	128	128	0.3	80-120	20	M

QCBatchID:	**QC1197470**	**Analyst:**	DNguyen	**Method:**	SM 4500-NH3-G
Matrix:	Water	**Analyzed:**	11/08/2018	**Instrument:**	CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197470MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197470LCS1											
Total Kjeldahl Nitrogen	2.5		2.8		mg/L	112			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197470MS1, QC1197470MSD1												**Source: 408169-010**
Total Kjeldahl Nitrogen	1.4	12.5	12.5	16	15	mg/L	117	109	6.5	80-120	20	

QCBatchID: QC1197587 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 11/13/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197587MB1					
Total Phosphate as P	ND	mg/L	0.01	0.02	
Total Phosphate as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1197587LCS1											
Total Phosphate as P	0.4		0.378		mg/L	95			80-120		
Total Phosphate as PO4	1.23		1.160		mg/L	94			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1197587MS1, QC1197587MSD1												**Source: 408225-001**
Total Phosphate as P	0.056	0.8	0.8	0.858	0.860	mg/L	100	101	0.2	75-125	20	
Total Phosphate as PO4	0.172	2.46	2.46	2.63	2.64	mg/L	100	100	0.4	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record				Turn Around Time (Rush by advanced notice only)					
931 W. Barkley Ave., Orange, CA 92868	Lab No:	408169			Standard:	X	4 Day:		3 Day:	
Phone: (714) 771-6900 Fax: (714) 538-1209	Page:	1	of	1	2 Day:		1 Day:		Same Day:	
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other				Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other					
c/o Montrose Environmental Group										
1 Park Plaza, Suite 1000, Irvine, CA 92614										

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Annual
Report To:	Kiernan Brtalik	Number:	
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:		Global ID:	
Cell:		Sampled By:	Kiernan/Jamie

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	TKN; NH3; Organic Nitrogen (Calculation)	EPA 300.0 (NO2,NO3)	Total Phosphorus; Total Nitrogen (calculation)							Test Instructions / Comments
N-001	11/6/18	12:00		5		X	X	X	X							
N-002	11/6/18	12:10		5		X	X	X	X							
N-003	11/6/18	12:15		5		X	X	X	X							
N-004	11/6/18	12:50		5		X	X	X	X							
L-001	11/6/18	10:05		5		X	X	X	X							
L-002	11/6/18	9:45		5		X	X	X	X							
L-003	11/6/18	11:00		5		X	X	X	X							
L-004	11/6/18	10:40		5		X	X	X	X							
L-005	11/6/18	11:15		5		X	X	X	X							
L-006	11/6/18	11:40		5		X	X	X	X							

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Jamie Pratt	Jamie Pratt	Rincon / Biologist	11/6/18 1305
[1] Received By:		Laura Noyes	ENthalpy	11/6/18 1305
[2] Relinquished By:		Lew Nay	ENthalpy	11/6/18 1555
[2] Received By:		Leatha Herman	EA	11/06/18 1555
[3] Relinquished By:				

5.6/5.8

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: Malibu - Annual

Date Received: 11/6/18 Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 5.6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/06/18

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu GWM
15-01587

Lab Request: 408225
Report Date: 11/14/2018
Date Received: 11/07/2018
Client ID: 15888

The Fecal Coliform results are unreportable due to issues with the test media.

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
408225-001	MCWP-MW04D
408225-002	MCWP-MW07S
408225-003	MCWP-MW07D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/07/2018 12:35	**Site:**			
Sample #:	**408225-001**	**Client Sample #:**	MCWP-MW04D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		11/14/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**2.44**	1	0.1	0.5	mg/L		11/14/18	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1197467
Total Oil and Grease	ND	1.05	1.47	5.25	mg/L	11/08/18	11/08/18	DXN	
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1197459
Boron	**0.793**	1	0.009	0.05	mg/L	11/08/18	11/08/18	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197430
Chloride	**262**	20	1.72	20	mg/L	11/07/18	11/08/18 03:46	JP	B
Nitrate + Nitrite, as Nitrogen	**2.44**	20	0.36	2	mg/L	11/07/18	11/08/18 03:46	JP	
Nitrate, as Nitrogen	**2.44**	20	0.24	2	mg/L	11/07/18	11/08/18 03:46	JP	
Nitrite, as Nitrogen	ND	20	0.36	2	mg/L	11/07/18	11/08/18 03:46	JP	
Sulfate	**560**	20	1.54	20	mg/L	11/07/18	11/08/18 03:46	JP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1197434
Color	ND	1	5	5	Color Unit		11/07/18 18:00	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1197439
Turbidity	**1.8**	1	0.1	0.1	NTU		11/07/18 18:00	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1197436
Odor Threshold	ND	1	1	1	T.O.N		11/07/18 18:00	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1197541
Total Dissolved Solids	**1650**	2	20	20	mg/L	11/10/18	11/11/18	NP	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1197538
Total Suspended Solids	**1.4**	1.05	0.525	0.525	mg/L	11/08/18	11/08/18	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1197438
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/07/18 17:58	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1197450
pH	**7.49**	1			pH Units	11/07/18 15:14	11/07/18 18:45	NP	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197504
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-P-B-2-E Prep Method: 4500-P-B-2							QCBatchID:		QC1197587
Total Phosphate as P	**0.056**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphate as PO4	**0.172**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1197449
BOD	ND	1	1.5	3	mg/L	11/07/18	11/07/18 16:45	NP	
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1197550
Total Organic Carbon (TOC)	**4.84**	1	0.203	1	mg/L	11/09/18	11/09/18	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1197558
MBAS	**0.038 J**	1	0.018	0.04	mg/L	11/08/18 08:30	11/08/18 20:03	TP	J
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197442
Total Coliform	**1.0**	1			MPN/100ml	11/07/18 16:30	11/08/18	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/07/2018 09:25	**Site:**			
Sample #:	**408225-002**	**Client Sample #:**	MCWP-MW07S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.3 J**	1	0.04	0.5	mg/L		11/14/18	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**4.83**	1	0.1	0.5	mg/L		11/14/18	SLL	
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1197467
Total Oil and Grease	ND	1.05	1.47	5.25	mg/L	11/08/18	11/08/18	DXN	
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1197459
Boron	**0.365**	1	0.009	0.05	mg/L	11/08/18	11/08/18	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197430
Chloride	**206**	20	1.72	20	mg/L	11/07/18	11/13/18 12:28	JP	
Nitrate + Nitrite, as Nitrogen	**4.48**	20	0.36	2	mg/L	11/07/18	11/08/18 04:08	JP	
Nitrate, as Nitrogen	**4.48**	20	0.24	2	mg/L	11/07/18	11/08/18 04:08	JP	
Nitrite, as Nitrogen	ND	20	0.36	2	mg/L	11/07/18	11/08/18 04:08	JP	
Sulfate	**271**	20	1.54	20	mg/L	11/07/18	11/08/18 04:08	JP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1197434
Color	ND	1	5	5	Color Unit		11/07/18 18:00	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1197439
Turbidity	**26**	1	0.1	0.1	NTU		11/07/18 18:00	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1197436
Odor Threshold	ND	1	1	1	T.O.N		11/07/18 18:00	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1197541
Total Dissolved Solids	**1120**	2	20	20	mg/L	11/10/18	11/11/18	NP	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1197538
Total Suspended Solids	**151**	1.33	0.665	0.665	mg/L	11/08/18	11/08/18	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1197438
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/07/18 17:58	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1197450
pH	**7.54**	1			pH Units	11/07/18 15:14	11/07/18 16:48	NP	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197504
Total Kjeldahl Nitrogen	**0.348 J**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	J
Method: SM 4500-P-B-2-E Prep Method: 4500-P-B-2							QCBatchID:		QC1197587
Total Phosphate as P	**0.296**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphate as PO4	**0.908**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1197449
BOD	**2 J**	1	1.5	3	mg/L	11/07/18	11/07/18 16:48	NP	J,BQ2
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1197550
Total Organic Carbon (TOC)	**5.00**	1	0.203	1	mg/L	11/09/18	11/09/18	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1197558
MBAS	**0.49**	2.5	0.045	0.1	mg/L	11/08/18 08:30	11/08/18 20:03	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197442
Total Coliform	**610**	1			MPN/100ml	11/07/18 16:30	11/08/18	LH	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	11/07/2018 09:30	**Site:**			
Sample #:	**408225-003**	**Client Sample #:**	MCWP-MW07D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.4 J**	1	0.04	0.5	mg/L		11/14/18	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.40 J**	1	0.1	0.5	mg/L		11/14/18	SLL	J
Method: EPA 1664A Prep Method: Method							QCBatchID:		QC1197467
Total Oil and Grease	ND	1.05	1.47	5.25	mg/L	11/08/18	11/08/18	DXN	
Method: EPA 200.7 Prep Method: EPA 200.7							QCBatchID:		QC1197459
Boron	**0.431**	1	0.009	0.05	mg/L	11/08/18	11/08/18	SBW	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1197430
Chloride	**309**	20	1.72	20	mg/L	11/07/18	11/08/18 04:31	JP	B
Nitrate + Nitrite, as Nitrogen	ND	20	0.36	2	mg/L	11/07/18	11/08/18 04:31	JP	
Nitrate, as Nitrogen	ND	20	0.24	2	mg/L	11/07/18	11/08/18 04:31	JP	
Nitrite, as Nitrogen	ND	20	0.36	2	mg/L	11/07/18	11/08/18 04:31	JP	
Sulfate	**683**	20	1.54	20	mg/L	11/07/18	11/08/18 04:31	JP	
Method: SM 2120-B Prep Method: Method							QCBatchID:		QC1197434
Color	ND	1	5	5	Color Unit		11/07/18 18:00	WW	
Method: SM 2130-B Prep Method: Method							QCBatchID:		QC1197439
Turbidity	**4.6**	1	0.1	0.1	NTU		11/07/18 18:00	WW	
Method: SM 2150-B Prep Method: Method							QCBatchID:		QC1197436
Odor Threshold	ND	1	1	1	T.O.N		11/07/18 18:00	WW	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1197541
Total Dissolved Solids	**1930**	2	20	20	mg/L	11/10/18	11/11/18	NP	
Method: SM 2540-D Prep Method: SM 2540-D							QCBatchID:		QC1197538
Total Suspended Solids	**0.6**	1	0.5	0.5	mg/L	11/08/18	11/08/18	NP	
Method: SM 4500-Cl Prep Method: Method							QCBatchID:		QC1197438
Chlorine, Total Residual	ND	1	0.016	0.1	mg/L		11/07/18 17:58	WW	T2
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1197450
pH	**7.31**	1			pH Units	11/07/18 15:14	11/07/18 16:52	NP	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1197457
Ammonia, as Nitrogen	**0.012 J**	1	0.01	0.1	mg/L	11/08/18	11/08/18	TP	J
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1197504
Total Kjeldahl Nitrogen	**0.402**	1	0.052	0.4	mg/L	11/08/18	11/08/18	TP	
Method: SM 4500-P-B-2-E Prep Method: 4500-P-B-2							QCBatchID:		QC1197587
Total Phosphate as P	**0.132**	1	0.01	0.02	mg/L	11/13/18	11/13/18	TP	
Total Phosphate as PO4	**0.405**	1	0.03	0.06	mg/L	11/13/18	11/13/18	TP	
Method: SM 5210-B Prep Method: Method/5day							QCBatchID:		QC1197449
BOD	ND	1	1.5	3	mg/L	11/07/18	11/07/18 16:52	NP	
Method: SM 5310B Prep Method: Method							QCBatchID:		QC1197550
Total Organic Carbon (TOC)	**8.51**	1	0.203	1	mg/L	11/09/18	11/09/18	TP	
Method: SM 5540-C Prep Method: Method							QCBatchID:		QC1197558
MBAS	**0.043**	1	0.018	0.04	mg/L	11/08/18 08:30	11/08/18 20:03	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1197442
Total Coliform	**1.0**	1			MPN/100ml	11/07/18 16:30	11/08/18	LH	

QCBatchID: QC1197430 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 11/07/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197430MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	**1.10**	mg/L	0.086	1	B
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrite, as NO2	ND	mg/L	0.06	0.33	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197430LCS1											
Bromide	15		16.0		mg/L	107			90-110		
Chloride	100		104		mg/L	104			90-110		
Nitrate, as Nitrogen	9.03		8.26		mg/L	91			90-110		
Nitrate, as NO3	40		36.6		mg/L	92			90-110		
Nitrite, as Nitrogen	9.15		9.93		mg/L	109			90-110		
Nitrite, as NO2	30		32.6		mg/L	109			90-110		
Sulfate	50		52.7		mg/L	105			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197430MS1, QC1197430MSD1												**Source: 408136-001**
Bromide	0.364	15	15	16.4	16.7	mg/L	107	109	1.8	80-120	20	
Chloride	74.8	100	100	175	175	mg/L	100	100	0.0	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.09	9.57	mg/L	101	106	5.1	80-120	20	
Nitrate, as NO3	ND	40	40	40.3	42.4	mg/L	101	106	5.1	80-120	20	
Nitrite, as Nitrogen	ND	9.15	9.15	9.79	9.85	mg/L	107	108	0.6	80-120	20	
Nitrite, as NO2	ND	30	30	32.1	32.3	mg/L	107	108	0.6	80-120	20	
Sulfate	13.6	50	50	65.9	66.8	mg/L	105	106	1.4	80-120	20	
QC1197430MS2, QC1197430MSD2												**Source: 408147-001**
Bromide	0.2	15	15	15.9	16.1	mg/L	105	106	1.3	80-120	20	
Chloride	133	100	100	224	225	mg/L	91	92	0.4	80-120	20	
Nitrate, as Nitrogen	2.25	9.03	9.03	11.0	10.8	mg/L	97	95	1.8	80-120	20	
Nitrate, as NO3	9.96	40	40	48.8	48.0	mg/L	97	95	1.7	80-120	20	
Nitrite, as Nitrogen	0.17	9.15	9.15	10.4	10.6	mg/L	112	114	1.9	80-120	20	
Nitrite, as NO2	0.55	30	30	34.3	34.6	mg/L	113	114	0.9	80-120	20	
Sulfate	70.8	50	50	117	119	mg/L	92	96	1.7	80-120	20	

QCBatchID:	**QC1197434**	**Analyst:**	wei	**Method:**	SM 2120-B
Matrix:	Water	**Analyzed:**	11/07/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197434DUP1						**Source: 408225-003**
Color	ND	ND	Color Unit	0.0	20	

QCBatchID:	**QC1197436**	**Analyst:**	wei	**Method:**	SM 2150-B
Matrix:	Water	**Analyzed:**	11/07/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197436DUP1						**Source: 408225-003**
Odor Threshold	ND	ND	T.O.N	0.0	20	

QCBatchID: QC1197438 **Analyst:** wei **Method:** SM 4500-Cl

Matrix: Water **Analyzed:** 11/07/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197438MB1					
Chlorine, Total Residual	ND	mg/L	0.016	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197438LCS1											
Chlorine, Total Residual	1		0.91		mg/L	91			80-120		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197438DUP1						**Source: 408225-001**
Chlorine, Total Residual	ND	ND	mg/L	0.0	20	

QCBatchID:	**QC1197439**	**Analyst:**	wei	**Method:**	SM 2130-B
Matrix:	Water	**Analyzed:**	11/07/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197439DUP1						**Source: 408225-003**
Turbidity	4.6	4.7	NTU	2.2	20	

QCBatchID:	**QC1197442**	**Analyst:**	Lhernandez	**Method:**	sm 9223-B-b
Matrix:	Water	**Analyzed:**	11/09/2018	**Instrument:**	MICRO (group)

QCBatchID:	**QC1197449**	**Analyst:**	npham	**Method:**	SM 5210-B
Matrix:	Water	**Analyzed:**	11/07/2018	**Instrument:**	MICRO (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197449MB1					
BOD	ND	mg/L	1.5	3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197449LCS1											
BOD	198		187		mg/L	94			84.6-115.4		

QCBatchID:	**QC1197450**	**Analyst:**	npham	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	11/07/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197450DUP1						**Source: 407984-002**
pH	7.19	7.20	pH Units	0.1	20	

QCBatchID: QC1197457 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 11/08/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197457MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197457LCS1											
Ammonia, as Nitrogen	5		5.08		mg/L	102			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197457MS1, QC1197457MSD1												**Source: 408166-001**
Ammonia, as Nitrogen	ND	5	5	6.40	6.38	mg/L	128	128	0.3	80-120	20	M

QCBatchID: QC1197459 **Analyst:** dswafford **Method:** EPA 200.7

Matrix: Water **Analyzed:** 11/08/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197459MB1					
Boron	ND	mg/L	0.03	0.05	
Chromium	ND	mg/L	0.002	0.01	
Copper	ND	mg/L	0.004	0.01	
Zinc	ND	mg/L	0.007	0.05	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1197459LCS1											
Boron	2		2.05		mg/L	103			85-115		
Chromium	2		2.11		mg/L	106			85-115		
Copper	2		1.85		mg/L	93			85-115		
Zinc	2		1.98		mg/L	99			85-115		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1197459MS1												**Source: 408225-003**
Boron	0.431	1		1.44		mg/L	101			75-125		
Chromium	ND	1		0.944		mg/L	94			75-125		
Copper	0.007	1		0.889		mg/L	88			75-125		
Zinc	0.003	1		0.994		mg/L	99			75-125		

QCBatchID: QC1197467 **Analyst:** DNguyen **Method:** EPA 1664A

Matrix: Water **Analyzed:** 11/08/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197467MB1					
Non-Polar Oil and Grease	ND	mg/L	0.8	5	
Total Oil and Grease	ND	mg/L	1.4	5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1197467LCS1, QC1197467LCSD1											
Non-Polar Oil and Grease	20	20	25.6	25.7	mg/L	128	129	0	64-132	34	
Total Oil and Grease	40	40	45.2	45.1	mg/L	113	113	0	78-114	18	

QCBatchID: QC1197504 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 11/08/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197504MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197504LCS1											
Total Kjeldahl Nitrogen	2.5		2.8		mg/L	112			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197504MS1, QC1197504MSD1												**Source: 408225-001**
Total Kjeldahl Nitrogen	ND	12.5	12.5	14	15	mg/L	112	120	6.9	80-120	20	

QCBatchID: QC1197538	**Analyst:** trinh		**Method:** SM 2540-D		
Matrix: Water	**Analyzed:** 11/08/2018		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197538MB1					
Total Suspended Solids	ND	mg/L	0.5	0.5	

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197538DUP1						**Source: 408147-002**
Total Suspended Solids	540	544	mg/L	0.7	5	

QCBatchID: QC1197541	**Analyst:** trinh		**Method:** SM 2540-C		
Matrix: Water	**Analyzed:** 11/11/2018		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197541MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197541LCS1											
Total Dissolved Solids	3000		3100		mg/L	103			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1197541DUP1						**Source: 408225-001**
Total Dissolved Solids	1650	1640	mg/L	0.6	5	

QCBatchID: QC1197550 **Analyst:** trinh **Method:** SM 5310B

Matrix: Water **Analyzed:** 11/09/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197550MB1					
Total Organic Carbon (TOC)	ND	mg/L	0.091	0.3	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197550LCS1											
Total Organic Carbon (TOC)	10		10.1		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197550MS1, QC1197550MSD1												**Source: 408143-001**
Total Organic Carbon (TOC)	5.26	20	20	24.0	27.9	mg/L	94	113	15.0	80-120	20	

QCBatchID: QC1197558 **Analyst:** trinh **Method:** SM 5540-C

Matrix: Water **Analyzed:** 11/08/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197558MB1					
MBAS	ND	mg/L	0.007	0.04	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197558LCS1											
MBAS	1		1.0		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1197558MS1, QC1197558MSD1												**Source: 408257-002**
MBAS	0.020	1	1	1.0	1.0	mg/L	98	98	0.0	75-125	20	

QCBatchID: QC1197587 **Analyst:** trinh **Method:** SM 4500-P-B-2-E

Matrix: Water **Analyzed:** 11/13/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1197587MB1					
Total Phosphate as P	ND	mg/L	0.01	0.02	
Total Phosphate as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1197587LCS1											
Total Phosphate as P	0.4		0.378		mg/L	95			80-120		
Total Phosphate as PO4	1.23		1.160		mg/L	94			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1197587MS1, QC1197587MSD1												**Source: 408225-001**
Total Phosphate as P	0.056	0.8	0.8	0.858	0.860	mg/L	100	101	0.2	75-125	20	
Total Phosphate as PO4	0.172	2.46	2.46	2.63	2.64	mg/L	100	100	0.4	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
806 N. Batavia St., Orange, CA 92868	Lab No: 408725	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714)771-9933	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu Gwm
Report To:	Kiernan Bretalik	Number:	15-01597
Email:	KBretalik@RinconConsultants.com	P.O. #:	
Address:	180 Ashwood Ave	Address:	
	Ventura CA		
Phone:	805-644-4455	Global ID:	
Fax:		Sampled By:	Peter Doran

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: General Chemistry	Test Instructions / Comments
1	MCWP-MW04D	11-7-18	1235	W	12/various	various	X	
2	MCWP-MW07S	"	0925	"	"	"	X	
3	MCWP-MW07D	"	0930	"	"	"	X	
4								
5								
6								
7								
8								
9								
10								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Peter Doran	Rincon	11-7-18 / 1300
1 Received By:			Enthalpy	11/7/18 1320
2 Relinquished By:			Enthalpy	11/7/18 1544
2 Received By:		Leaheather Ban	ETA	11/07/18 1544
3 Relinquished By:				
3 Received By:				

24/1.7 3.7/2.8

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: Malibu GWM

Date Received: 11/7/18 Sampler's Name Present: [X] Yes [ ] No

Section 2

Sample(s) received in a cooler? [✓] Yes, How many? 2 [ ] No (skip section 2) Sample Temp (°C) (No Cooler) :_____

Sample Temp (°C), One from each cooler: #1: 2.4 #2: 3.9 #3:_____ #4:_____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information:_____

Section 3

Was the cooler packed with: [✓] Ice [ ] Ice Packs [ ] Bubble Wrap [ ] Styrofoam [ ] Paper [ ] None [ ] Other_____

Cooler Temp (°C): #1: 1.7 #2: 2.8 #3:_____ #4:_____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? [ ] Verbal PM Initials:_____ Date/Time_____

[ ] Email (email sent to/on):_____/_____

Project Manager's response:

Completed By: _____ Date: 11/07/18

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu - Quarterly (Re-Sample)
Ground Water

Lab Request: 410093
Report Date: 12/28/2018
Date Received: 12/18/2018
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
410093-001	LAMW-5S
410093-002	SMBRP-9
410093-003	SMBRP-11
410093-004	SMBRP-12
410093-005	MCWP-MW04S
410093-006	MCWP-MW07S
410093-007	MCWP-MW07D
410093-008	MCWP-MW09

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

ACCREDITED IN ACCORDANCE WITH nelac

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	12/18/2018 10:00	**Site:**			
Sample #:	**410093-001**	**Client Sample #:**	LAMW-5S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		12/27/18	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**13.0**	1	0.1	0.5	mg/L		12/27/18	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1199102
Chloride	**98.9**	1	0.086	1	mg/L	12/18/18	12/18/18 22:29	JP	
Nitrate, as Nitrogen	**13.0**	1	0.012	0.1	mg/L	12/18/18	12/18/18 22:29	JP	
Nitrate, as NO3	**57.7**	1	0.053	0.44	mg/L	12/18/18	12/18/18 22:29	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/18/18	12/18/18 22:29	JP	
Nitrite, as NO2	ND	1	0.06	0.33	mg/L	12/18/18	12/18/18 22:29	JP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1199224
Total Dissolved Solids	**536**	2	20	20	mg/L	12/21/18	12/22/18	DXN	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1199157
pH	**6.78**	1			pH Units		12/19/18 10:15	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1199346
Ammonia, as Nitrogen	**0.241**	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1199236
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	12/19/18	12/20/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1199447
Total Phosphorous as P	**1.170**	10	0.1	0.2	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**3.59**	10	0.3	0.6	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1199068
Fecal Coliform	**1.0**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	
Total Coliform	**36**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	12/18/2018 09:50	**Site:**			
Sample #:	**410093-002**	**Client Sample #:**	SMBRP-9	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		12/27/18	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.80**	1	0.1	0.5	mg/L		12/27/18	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1199102
Chloride	**141**	1	0.086	1	mg/L	12/18/18	12/18/18 22:50	JP	
Nitrate, as Nitrogen	**2.80**	1	0.012	0.1	mg/L	12/18/18	12/18/18 22:50	JP	
Nitrate, as NO3	**12.4**	1	0.053	0.44	mg/L	12/18/18	12/18/18 22:50	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/18/18	12/18/18 22:50	JP	
Nitrite, as NO2	ND	1	0.06	0.33	mg/L	12/18/18	12/18/18 22:50	JP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1199224
Total Dissolved Solids	**1350**	2	20	20	mg/L	12/21/18	12/22/18	DXN	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1199157
pH	**7.05**	1			pH Units		12/19/18 10:15	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1199346
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1199236
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	12/19/18	12/20/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1199447
Total Phosphorous as P	**0.068**	1	0.01	0.02	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**0.209**	1	0.03	0.06	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1199068
Fecal Coliform	**<1**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	
Total Coliform	**360**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	12/18/2018 11:15	**Site:**			
Sample #:	**410093-003**	**Client Sample #:**	SMBRP-11	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.46 J**	1	0.04	0.5	mg/L		12/27/18	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**18.4**	1	0.1	0.5	mg/L		12/27/18	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1199102
Chloride	**326**	10	0.86	10	mg/L	12/18/18	12/19/18 03:30	JP	
Nitrate, as Nitrogen	**16.1**	1	0.012	0.1	mg/L	12/18/18	12/18/18 23:12	JP	
Nitrate, as NO3	**71.5**	1	0.053	0.44	mg/L	12/18/18	12/18/18 23:12	JP	
Nitrite, as Nitrogen	**0.50**	1	0.018	0.1	mg/L	12/18/18	12/18/18 23:12	JP	
Nitrite, as NO2	**1.63**	1	0.06	0.33	mg/L	12/18/18	12/18/18 23:12	JP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1199224
Total Dissolved Solids	**1510**	2	20	20	mg/L	12/21/18	12/22/18	DXN	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1199157
pH	**6.81**	1			pH Units		12/19/18 10:15	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1199346
Ammonia, as Nitrogen	**1.34**	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1199236
Total Kjeldahl Nitrogen	**1.8**	1	0.052	0.4	mg/L	12/19/18	12/20/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1199447
Total Phosphorous as P	**0.031**	1	0.01	0.02	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**0.095**	1	0.03	0.06	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1199068
Fecal Coliform	**3.1**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	
Total Coliform	**>2400**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	12/18/2018 12:30	**Site:**			
Sample #:	**410093-004**	**Client Sample #:**	SMBRP-12	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.52**	1	0.04	0.5	mg/L		12/27/18	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**6.47**	1	0.1	0.5	mg/L		12/27/18	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1199102
Chloride	**543**	10	0.86	10	mg/L	12/18/18	12/19/18 03:51	JP	
Nitrate, as Nitrogen	**0.11**	1	0.012	0.1	mg/L	12/18/18	12/18/18 23:33	JP	
Nitrate, as NO3	**0.47**	1	0.053	0.44	mg/L	12/18/18	12/18/18 23:33	JP	
Nitrite, as Nitrogen	**0.96**	1	0.018	0.1	mg/L	12/18/18	12/18/18 23:33	JP	
Nitrite, as NO2	**3.16**	1	0.06	0.33	mg/L	12/18/18	12/18/18 23:33	JP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1199224
Total Dissolved Solids	**1990**	2	20	20	mg/L	12/21/18	12/22/18	DXN	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1199157
pH	**7.00**	1			pH Units		12/19/18 10:15	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1199346
Ammonia, as Nitrogen	**4.88**	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1199236
Total Kjeldahl Nitrogen	**5.4**	1	0.052	0.4	mg/L	12/19/18	12/20/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1199447
Total Phosphorous as P	**1.290**	10	0.1	0.2	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**3.96**	10	0.3	0.6	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1199068
Fecal Coliform	**2.0**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	
Total Coliform	**11**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	12/18/2018 11:30	**Site:**			
Sample #:	**410093-005**	**Client Sample #:**	MCWP-MW04S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.70**	1	0.04	0.5	mg/L		12/27/18	SLL	
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.89**	1	0.1	0.5	mg/L		12/27/18	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1199102
Chloride	**759**	10	0.86	10	mg/L	12/18/18	12/19/18 04:13	JP	
Nitrate, as Nitrogen	**0.54**	1	0.012	0.1	mg/L	12/18/18	12/18/18 23:55	JP	
Nitrate, as NO3	**2.38**	1	0.053	0.44	mg/L	12/18/18	12/18/18 23:55	JP	
Nitrite, as Nitrogen	**1.58**	1	0.018	0.1	mg/L	12/18/18	12/18/18 23:55	JP	
Nitrite, as NO2	**5.19**	1	0.06	0.33	mg/L	12/18/18	12/18/18 23:55	JP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1199224
Total Dissolved Solids	**5710**	2	20	20	mg/L	12/21/18	12/22/18	DXN	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1199157
pH	**7.09**	1			pH Units		12/19/18 10:15	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1199346
Ammonia, as Nitrogen	**0.077 J**	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	J
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1199236
Total Kjeldahl Nitrogen	**0.773**	1	0.052	0.4	mg/L	12/19/18	12/20/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1199447
Total Phosphorous as P	**0.259**	1	0.01	0.02	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**0.794**	1	0.03	0.06	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1199068
Fecal Coliform	**<1**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	
Total Coliform	**>2400**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	12/18/2018 10:30	**Site:**			
Sample #:	**410093-006**	**Client Sample #:**	MCWP-MW07S	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.26 J**	1	0.04	0.5	mg/L		12/27/18	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**4.53**	1	0.1	0.5	mg/L		12/27/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1199102
Chloride	**205**	10	0.86	10	mg/L	12/18/18	12/19/18 04:34	JP	
Nitrate, as Nitrogen	**3.87**	1	0.012	0.1	mg/L	12/18/18	12/19/18 00:16	JP	
Nitrate, as NO3	**17.1**	1	0.053	0.44	mg/L	12/18/18	12/19/18 00:16	JP	
Nitrite, as Nitrogen	**0.40**	1	0.018	0.1	mg/L	12/18/18	12/19/18 00:16	JP	
Nitrite, as NO2	**1.31**	1	0.06	0.33	mg/L	12/18/18	12/19/18 00:16	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1199224
Total Dissolved Solids	**1120**	2	20	20	mg/L	12/21/18	12/22/18	DXN	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1199157
pH	**7.27**	1			pH Units		12/19/18 10:15	WW	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1199346
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1199236
Total Kjeldahl Nitrogen	**0.262 J**	1	0.052	0.4	mg/L	12/19/18	12/20/18	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1199447
Total Phosphorous as P	**0.016 J**	1	0.01	0.02	mg/L	12/27/18	12/28/18	TP	J
Total Phosphorous as PO4	**0.049 J**	1	0.03	0.06	mg/L	12/27/18	12/28/18	TP	J
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1199068
Fecal Coliform	**3.0**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	
Total Coliform	**>2400**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	12/18/2018 11:05	**Site:**			
Sample #:	**410093-007**	**Client Sample #:**	MCWP-MW07D	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.13 J**	1	0.04	0.5	mg/L		12/27/18	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**1.22**	1	0.1	0.5	mg/L		12/27/18	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1199102
Chloride	**26.5**	1	0.086	1	mg/L	12/18/18	12/19/18 00:38	JP	
Nitrate, as Nitrogen	**0.98**	1	0.012	0.1	mg/L	12/18/18	12/19/18 00:38	JP	
Nitrate, as NO3	**4.35**	1	0.053	0.44	mg/L	12/18/18	12/19/18 00:38	JP	
Nitrite, as Nitrogen	**0.11**	1	0.018	0.1	mg/L	12/18/18	12/19/18 00:38	JP	
Nitrite, as NO2	**0.38**	1	0.06	0.33	mg/L	12/18/18	12/19/18 00:38	JP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1199224
Total Dissolved Solids	**134**	2	20	20	mg/L	12/21/18	12/22/18	DXN	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1199157
pH	**7.44**	1			pH Units		12/19/18 10:15	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1199346
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1199236
Total Kjeldahl Nitrogen	**0.131 J**	1	0.052	0.4	mg/L	12/19/18	12/20/18	TP	J
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1199447
Total Phosphorous as P	**0.274**	1	0.01	0.02	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**0.840**	1	0.03	0.06	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1199068
Fecal Coliform	**140**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	
Total Coliform	**>2400**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	12/18/2018 12:40	**Site:**			
Sample #:	**410093-008**	**Client Sample #:**	MCWP-MW09	**Sample Type:**	

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None						QCBatchID:		
Total Organic Nitrogen	**0.08 J**	1	0.04	0.5	mg/L		12/27/18	SLL	J
Method: ALCH 4025	Prep Method: None						QCBatchID:		
Total Nitrogen	**2.46**	1	0.1	0.5	mg/L		12/27/18	SLL	
Method: EPA 300.0	Prep Method: Method						QCBatchID:		QC1199102
Chloride	**457**	10	0.86	10	mg/L	12/18/18	12/19/18 05:17	JP	
Nitrate, as Nitrogen	**0.93**	1	0.012	0.1	mg/L	12/18/18	12/19/18 00:59	JP	
Nitrate, as NO3	**4.13**	1	0.053	0.44	mg/L	12/18/18	12/19/18 00:59	JP	
Nitrite, as Nitrogen	**1.14**	1	0.018	0.1	mg/L	12/18/18	12/19/18 00:59	JP	
Nitrite, as NO2	**3.73**	1	0.06	0.33	mg/L	12/18/18	12/19/18 00:59	JP	
Method: SM 2540-C	Prep Method: Method						QCBatchID:		QC1199224
Total Dissolved Solids	**1800**	2	20	20	mg/L	12/21/18	12/22/18	DXN	
Method: SM 4500-H+B	Prep Method: Method						QCBatchID:		QC1199157
pH	**7.20**	1			pH Units		12/19/18 10:15	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method						QCBatchID:		QC1199346
Ammonia, as Nitrogen	**0.306**	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto						QCBatchID:		QC1199236
Total Kjeldahl Nitrogen	**0.389 J**	1	0.052	0.4	mg/L	12/19/18	12/20/18	TP	J
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5						QCBatchID:		QC1199447
Total Phosphorous as P	**0.237**	1	0.01	0.02	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**0.727**	1	0.03	0.06	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b	Prep Method: Method						QCBatchID:		QC1199068
Fecal Coliform	**4.1**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	
Total Coliform	**1100**	1			MPN/100ml	12/18/18 16:48	12/19/18	SEM	

QCBatchID: QC1199102 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 12/18/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1199102MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	**0.919 J**	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrate, as NO3	ND	mg/L	0.053	0.44	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Nitrite, as NO2	ND	mg/L	0.06	0.33	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199102LCS1											
Bromide	15		15.8		mg/L	105			90-110		
Chloride	100		104		mg/L	104			90-110		
Nitrate, as Nitrogen	9.03		9.30		mg/L	103			90-110		
Nitrate, as NO3	40		41.2		mg/L	103			90-110		
Nitrite, as Nitrogen	9.15		9.96		mg/L	109			90-110		
Nitrite, as NO2	30		32.7		mg/L	109			90-110		
Sulfate	50		51.8		mg/L	104			90-110		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199102MS1, QC1199102MSD1												**Source: 410039-001**
Bromide	0.288	15	15	16.4	16.6	mg/L	107	109	1.2	80-120	20	
Chloride	72.4	100	100	173	174	mg/L	101	102	0.6	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.59	9.65	mg/L	106	107	0.6	80-120	20	
Nitrate, as NO3	ND	40	40	42.5	42.8	mg/L	106	107	0.7	80-120	20	
Nitrite, as Nitrogen	0.148	9.15	9.15	10.5	10.6	mg/L	113	114	0.9	80-120	20	
Nitrite, as NO2	0.484	30	30	34.6	34.9	mg/L	114	115	0.9	80-120	20	
Sulfate	13.2	50	50	66.2	66.4	mg/L	106	106	0.3	80-120	20	
QC1199102MS2, QC1199102MSD2												**Source: 410040-001**
Bromide	0.221	15	15	16.4	16.4	mg/L	108	108	0.0	80-120	20	
Chloride	76.1	100	100	176	177	mg/L	100	101	0.6	80-120	20	
Nitrate, as Nitrogen	ND	9.03	9.03	9.48	9.63	mg/L	105	107	1.6	80-120	20	
Nitrate, as NO3	ND	40	40	42.0	42.7	mg/L	105	107	1.7	80-120	20	
Nitrite, as Nitrogen	0.212	9.15	9.15	10.4	10.5	mg/L	111	112	1.0	80-120	20	
Nitrite, as NO2	0.697	30	30	34.2	34.4	mg/L	112	112	0.6	80-120	20	
Sulfate	12.8	50	50	65.5	65.9	mg/L	105	106	0.6	80-120	20	

QCBatchID:	**QC1199157**	**Analyst:**	wei	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	12/19/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1199157DUP1						**Source: 410093-008**
pH	7.20	7.20	pH Units	0.0	20	

QCBatchID: QC1199224	**Analyst:** DNguyen	**Method:** SM 2540-C			
Matrix: Water	**Analyzed:** 12/22/2018	**Instrument:** CHEM (group)			

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1199224MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199224LCS1											
Total Dissolved Solids	3000		3000		mg/L	100			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1199224DUP1						**Source: 410093-005**
Total Dissolved Solids	5710	5710	mg/L	0.0	5	

QCBatchID: QC1199236 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 12/20/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1199236MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199236LCS1											
Total Kjeldahl Nitrogen	2.5		2.6		mg/L	104			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199236MS1, QC1199236MSD1												**Source: 410093-008**
Total Kjeldahl Nitrogen	0.389	12.5	12.5	13	13	mg/L	101	101	0.0	80-120	20	

QCBatchID: QC1199346 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 12/26/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1199346MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199346LCS1											
Ammonia, as Nitrogen	5		4.98		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199346MS1, QC1199346MSD1												**Source: 410049-001**
Ammonia, as Nitrogen	ND	5	5	5.87	5.95	mg/L	117	119	1.4	80-120	20	

QCBatchID: QC1199447 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 12/28/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1199447MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199447LCS1											
Total Phosphorous as P	0.4		0.425		mg/L	106			80-120		
Total Phosphorous as PO4	1.23		1.303		mg/L	106			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199447MS1, QC1199447MSD1												**Source: 410093-008**
Total Phosphorous as P	0.237	1	1	1.175	1.165	mg/L	94	93	0.9	75-125	20	
Total Phosphorous as PO4	0.727	3.066	3.066	3.60	3.57	mg/L	94	93	0.8	75-125	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 410093	Standard: X 4 Day: 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: 1 Day: Same Day:
Billing: Enthalpy - SoCal	**Matrix:** A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	**Preservatives:** 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly (re-sample)
Report To:	Kiernan Brtalik	Number:	Ground Water
Email:	KBRtalik@RinconConsultants.com	P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805-6444455	Global ID:	
Cell:		Sampled By:	Peter Doran

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen, Total Nitrogen	pH						Test Instructions / Comments
1	LAMW-5S	12.18.16	1000	W	5/VARIOUS	VARIOUS	X	X	X	X	X						
2	SMBRP-9	12.18.16	0950				X	X	X	X	X						
3	SMBRP-11	12.18.16	1115				X	X	X	X	X						
4	SMBRP-12	12.18.16	1230				X	X	X	X	X						
5	MCWP-MW04S	12.18.16	1130				X	X	X	X	X						
	~~MCWP-MW04D~~						X	X	X	X	X						FD
6	MCWP-MW07S	12.18.16	1030	W	5/VARIOUS	VARIOUS	X	X	X	X	X						
7	MCWP-MW07D	12.18.16	1105				X	X	X	X	X						
8	MCWP-MW09	12.18.16	1240				X	X	X	X	X						

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		PETER DORAN	RINCON / ES	12.18.16 / 1300
1 Received By:		KEVIN Gray	Enthalpy	12/18/16 1300
2 Relinquished By:			Enthalpy	12/18/16 1605
2 Received By:				12/18/16 1605
3 Relinquished By:				
3 Received By:				

12.20-3 7:41 AR

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Malibu Quarterly

Date Received: 12/18/18 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 1.2 #2: 2.4 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.4 #2: 1.0 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 12/18/18

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client: Rincon Consultants - Ventura
Address: 180 North Ashwood Ave.
Ventura, CA 93003

Attn: Kiernan Brtalik

Comments: Malibu-Quarterly (Re-sample)
Surface Water

Lab Request: 410143
Report Date: 12/31/2018
Date Received: 12/19/2018
Client ID: 15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
410143-001	N-001
410143-002	N-002
410143-003	N-003
410143-004	N-004
410143-005	L-001
410143-006	L-002
410143-007	L-003
410143-008	L-004
410143-009	L-005
410143-010	L-006

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Ranjit K. K. Clarke

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

ACCREDITED IN ACCORDANCE WITH nelac

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 12/19/2018 11:50 **Site:**
Sample #: **410143-001** **Client Sample #:** N-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		12/31/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.1	0.5	mg/L		12/31/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1199219		
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/19/18	12/19/18 21:26	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	12/19/18	12/19/18 21:26	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/19/18	12/19/18 21:26	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1199392		
Total Dissolved Solids	**36600**	10	100	100	mg/L	12/26/18	12/27/18	WW	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1199426		
pH	**7.34**	1			pH Units		12/26/18 18:00	WW	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1199347		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1199516		
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	12/29/18	12/30/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1199448		
Total Phosphorous as P	**0.085**	1	0.01	0.02	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**0.261**	1	0.03	0.06	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1199164		
Fecal Coliform	**<1**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	
Total Coliform	**2400**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 12/19/2018 12:00 **Site:**
Sample #: **410143-002** **Client Sample #:** N-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		12/31/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.1	0.5	mg/L		12/31/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1199219		
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/19/18	12/19/18 21:47	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	12/19/18	12/19/18 21:47	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/19/18	12/19/18 21:47	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1199392		
Total Dissolved Solids	**36100**	10	100	100	mg/L	12/26/18	12/27/18	WW	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1199426		
pH	**7.44**	1			pH Units		12/26/18 18:00	WW	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1199347		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1199516		
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	12/29/18	12/30/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1199448		
Total Phosphorous as P	**0.060**	1	0.01	0.02	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**0.184**	1	0.03	0.06	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1199164		
Fecal Coliform	**<1**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	
Total Coliform	**>2400**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 12/19/2018 12:25 **Site:**
Sample #: 410143-003 **Client Sample #:** N-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		12/31/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**0.11 J**	1	0.1	0.5	mg/L		12/31/18	SLL	J
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1199219
Nitrate + Nitrite, as Nitrogen	**0.11**	1	0.018	0.1	mg/L	12/19/18	12/19/18 22:09	JP	
Nitrate, as Nitrogen	**0.11**	1	0.012	0.1	mg/L	12/19/18	12/19/18 22:09	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/19/18	12/19/18 22:09	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1199392
Total Dissolved Solids	**33600**	10	100	100	mg/L	12/26/18	12/27/18	WW	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1199426
pH	**7.55**	1			pH Units		12/26/18 18:00	WW	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1199347
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1199516
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	12/29/18	12/30/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1199448
Total Phosphorous as P	**0.084**	1	0.01	0.02	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**0.258**	1	0.03	0.06	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1199164
Fecal Coliform	**9.6**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	
Total Coliform	**>2400**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 12/19/2018 10:50 **Site:**
Sample #: 410143-004 **Client Sample #:** N-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	ND	1	0.04	0.5	mg/L		12/31/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	ND	1	0.1	0.5	mg/L		12/31/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1199219
Nitrate + Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/19/18	12/19/18 22:30	JP	
Nitrate, as Nitrogen	ND	1	0.012	0.1	mg/L	12/19/18	12/19/18 22:30	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/19/18	12/19/18 22:30	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1199392
Total Dissolved Solids	**36600**	10	100	100	mg/L	12/26/18	12/27/18	WW	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1199426
pH	**7.58**	1			pH Units		12/26/18 18:00	WW	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1199347
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1199516
Total Kjeldahl Nitrogen	ND	1	0.052	0.4	mg/L	12/29/18	12/30/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1199448
Total Phosphorous as P	**0.400**	1	0.01	0.02	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**1.226**	1	0.03	0.06	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1199164
Fecal Coliform	**<1**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	
Total Coliform	**>2400**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 12/19/2018 13:15 **Site:**
Sample #: 410143-005 **Client Sample #:** L-001 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.81**	1	0.04	0.5	mg/L		12/31/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**3.98**	1	0.1	0.5	mg/L		12/31/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1199219		
Nitrate + Nitrite, as Nitrogen	**3.17**	1	0.018	0.1	mg/L	12/19/18	12/19/18 22:52	JP	
Nitrate, as Nitrogen	**3.17**	1	0.012	0.1	mg/L	12/19/18	12/19/18 22:52	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/19/18	12/19/18 22:52	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1199392		
Total Dissolved Solids	**2260**	2	20	20	mg/L	12/26/18	12/27/18	WW	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1199426		
pH	**7.57**	1			pH Units		12/26/18 18:00	WW	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1199347		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1199516		
Total Kjeldahl Nitrogen	**0.813**	1	0.052	0.4	mg/L	12/29/18	12/30/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1199448		
Total Phosphorous as P	**0.903**	1	0.01	0.02	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**2.77**	1	0.03	0.06	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1199164		
Fecal Coliform	**41**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	
Total Coliform	**>2400**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 12/19/2018 11:05 **Site:**
Sample #: 410143-006 **Client Sample #:** L-002 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.34 J**	1	0.04	0.5	mg/L		12/31/18	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**2.58**	1	0.1	0.5	mg/L		12/31/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID: QC1199219		
Nitrate + Nitrite, as Nitrogen	**2.24**	1	0.018	0.1	mg/L	12/19/18	12/19/18 23:56	JP	
Nitrate, as Nitrogen	**2.24**	1	0.012	0.1	mg/L	12/19/18	12/19/18 23:56	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/19/18	12/19/18 23:56	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID: QC1199392		
Total Dissolved Solids	**6360**	10	100	100	mg/L	12/26/18	12/27/18	WW	
Method: SM 4500-H+B Prep Method: Method							QCBatchID: QC1199426		
pH	**7.30**	1			pH Units		12/26/18 18:00	WW	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID: QC1199347		
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID: QC1199516		
Total Kjeldahl Nitrogen	**0.335 J**	1	0.052	0.4	mg/L	12/29/18	12/30/18	TP	J
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID: QC1199448		
Total Phosphorous as P	**0.985**	5	0.05	0.1	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**3.02**	5	0.15	0.3	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID: QC1199164		
Fecal Coliform	**58**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	
Total Coliform	**>2400**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 12/19/2018 13:30 **Site:**
Sample #: 410143-007 **Client Sample #:** L-003 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.56**	1	0.04	0.5	mg/L		12/31/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**2.93**	1	0.1	0.5	mg/L		12/31/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1199219
Nitrate + Nitrite, as Nitrogen	**2.18**	1	0.018	0.1	mg/L	12/19/18	12/20/18 00:18	JP	
Nitrate, as Nitrogen	**2.18**	1	0.012	0.1	mg/L	12/19/18	12/20/18 00:18	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/19/18	12/20/18 00:18	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1199392
Total Dissolved Solids	**11600**	10	100	100	mg/L	12/26/18	12/27/18	WW	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1199426
pH	**7.54**	1			pH Units		12/26/18 18:00	WW	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1199347
Ammonia, as Nitrogen	**0.187**	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1199516
Total Kjeldahl Nitrogen	**0.751**	1	0.052	0.4	mg/L	12/29/18	12/30/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1199448
Total Phosphorous as P	**0.945**	5	0.05	0.1	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**2.90**	5	0.15	0.3	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1199164
Fecal Coliform	**150**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	
Total Coliform	**>2400**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 12/19/2018 11:15 **Site:**
Sample #: 410143-008 **Client Sample #:** L-004 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.75**	1	0.04	0.5	mg/L		12/31/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**1.00**	1	0.1	0.5	mg/L		12/31/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1199219
Nitrate + Nitrite, as Nitrogen	**0.25**	1	0.018	0.1	mg/L	12/19/18	12/20/18 00:39	JP	
Nitrate, as Nitrogen	**0.25**	1	0.012	0.1	mg/L	12/19/18	12/20/18 00:39	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/19/18	12/20/18 00:39	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1199392
Total Dissolved Solids	**29300**	10	100	100	mg/L	12/26/18	12/27/18	WW	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1199426
pH	**7.52**	1			pH Units		12/26/18 18:00	WW	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1199347
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1199516
Total Kjeldahl Nitrogen	**0.753**	1	0.052	0.4	mg/L	12/29/18	12/30/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1199448
Total Phosphorous as P	**0.280**	1	0.01	0.02	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**0.859**	1	0.03	0.06	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1199164
Fecal Coliform	**140**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	
Total Coliform	**>2400**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 12/19/2018 12:35 **Site:**
Sample #: **410143-009** **Client Sample #:** L-005 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**0.45 J**	1	0.04	0.5	mg/L		12/31/18	SLL	J
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**2.38**	1	0.1	0.5	mg/L		12/31/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1199219
Nitrate + Nitrite, as Nitrogen	**1.81**	1	0.018	0.1	mg/L	12/19/18	12/20/18 01:01	JP	
Nitrate, as Nitrogen	**1.81**	1	0.012	0.1	mg/L	12/19/18	12/20/18 01:01	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/19/18	12/20/18 01:01	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1199392
Total Dissolved Solids	**16500**	10	100	100	mg/L	12/26/18	12/27/18	WW	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1199426
pH	**7.57**	1			pH Units		12/26/18 18:00	WW	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1199347
Ammonia, as Nitrogen	**0.116**	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1199516
Total Kjeldahl Nitrogen	**0.567**	1	0.052	0.4	mg/L	12/29/18	12/30/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1199448
Total Phosphorous as P	**0.883**	1	0.01	0.02	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**2.71**	1	0.03	0.06	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1199164
Fecal Coliform	**180**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	
Total Coliform	**>2400**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	

Matrix: Water **Client:** Rincon Consultants - Ventura **Collector:** Client
Sampled: 12/19/2018 11:25 **Site:**
Sample #: **410143-010** **Client Sample #:** L-006 **Sample Type:**

Analyte	Result	DF	MDL	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024 Prep Method: None							QCBatchID:		
Total Organic Nitrogen	**1.80**	1	0.04	0.5	mg/L		12/31/18	SLL	
Method: ALCH 4025 Prep Method: None							QCBatchID:		
Total Nitrogen	**1.91**	1	0.1	0.5	mg/L		12/31/18	SLL	
Method: EPA 300.0 Prep Method: Method							QCBatchID:		QC1199219
Nitrate + Nitrite, as Nitrogen	**0.11**	1	0.018	0.1	mg/L	12/19/18	12/20/18 01:22	JP	
Nitrate, as Nitrogen	**0.11**	1	0.012	0.1	mg/L	12/19/18	12/20/18 01:22	JP	
Nitrite, as Nitrogen	ND	1	0.018	0.1	mg/L	12/19/18	12/20/18 01:22	JP	
Method: SM 2540-C Prep Method: Method							QCBatchID:		QC1199392
Total Dissolved Solids	**29000**	10	100	100	mg/L	12/26/18	12/27/18	WW	
Method: SM 4500-H+B Prep Method: Method							QCBatchID:		QC1199426
pH	**7.01**	1			pH Units		12/26/18 18:00	WW	T2
Method: SM 4500-NH3-G Prep Method: Method							QCBatchID:		QC1199347
Ammonia, as Nitrogen	ND	1	0.01	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G Prep Method: SM4500-Norg/Auto							QCBatchID:		QC1199516
Total Kjeldahl Nitrogen	**1.8**	1	0.052	0.4	mg/L	12/29/18	12/30/18	TP	
Method: SM 4500-P-B-5-E Prep Method: 4500-P-B-5							QCBatchID:		QC1199448
Total Phosphorous as P	**0.277**	1	0.01	0.02	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**0.849**	1	0.03	0.06	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b Prep Method: Method							QCBatchID:		QC1199164
Fecal Coliform	**1700**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	
Total Coliform	**>2400**	1			MPN/100ml	12/19/18 17:30	12/20/18	SEM	

QCBatchID: QC1199219 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 12/19/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1199219MB1					
Bromide	ND	mg/L	0.034	0.3	
Chloride	**0.943 J**	mg/L	0.086	1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L	0.018	0.44	
Nitrate, as Nitrogen	ND	mg/L	0.012	0.1	
Nitrite, as Nitrogen	ND	mg/L	0.018	0.1	
Sulfate	ND	mg/L	0.077	0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199219LCS1, QC1199219LCSD1											
Bromide	15	15	15.7	15.7	mg/L	105	105	0	90-110	20	
Chloride	100	100	104	105	mg/L	104	105	1	90-110	20	
Nitrate, as Nitrogen	9.03	9.03	9.27	9.32	mg/L	103	103	1	90-110	20	
Nitrite, as Nitrogen	9.15	9.15	9.62	9.88	mg/L	105	108	3	90-110	20	
Sulfate	50	50	51.2	52.1	mg/L	102	104	2	90-110	20	

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199219MS1, QC1199219MSD1												**Source: 410081-001**
Bromide	0.301	15	15	16.0	16.0	mg/L	105	105	0.0	80-120	20	
Chloride	74.3	100	100	172	172	mg/L	98	98	0.0	80-120	20	
Nitrate, as Nitrogen	0.0470	9.03	9.03	9.31	9.34	mg/L	103	103	0.3	80-120	20	
Nitrite, as Nitrogen	0.218	9.15	9.15	10.4	10.3	mg/L	111	110	1.0	80-120	20	
Sulfate	13.4	50	50	64.3	64.2	mg/L	102	102	0.2	80-120	20	

QCBatchID: QC1199347	**Analyst:** trinh		**Method:** SM 4500-NH3-G		
Matrix: Water	**Analyzed:** 12/26/2018		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1199347MB1					
Ammonia, as Nitrogen	ND	mg/L	0.01	0.1	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1199347LCS1											
Ammonia, as Nitrogen	5		5.03		mg/L	101			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1199347MS1, QC1199347MSD1												**Source: 409823-001**
Ammonia, as Nitrogen	ND	5	5	6.14	6.23	mg/L	123	125	1.5	80-120	20	M

QCBatchID: QC1199392 **Analyst:** wei **Method:** SM 2540-C

Matrix: Water **Analyzed:** 12/27/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1199392MB1					
Total Dissolved Solids	ND	mg/L	10	10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199392LCS1											
Total Dissolved Solids	100		94.0		mg/L	94			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1199392DUP1						**Source: 410143-005**
Total Dissolved Solids	2260	2350	mg/L	3.9	5	

QCBatchID:	**QC1199426**	**Analyst:**	wei	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	12/26/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1199426DUP1						**Source: 410143-010**
pH	7.01	7.00	pH Units	0.1	20	

QCBatchID: QC1199448 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 12/28/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1199448MB1					
Total Phosphorous as P	ND	mg/L	0.01	0.02	
Total Phosphorous as PO4	ND	mg/L	0.03	0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199448LCS1											
Total Phosphorous as P	0.4		0.382		mg/L	96			80-120		
Total Phosphorous as PO4	1.23		1.170		mg/L	95			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199448MS1, QC1199448MSD1												**Source: 410355-001**
Total Phosphorous as P	0.011	0.4	0.4	0.446	0.455	mg/L	109	111	2.0	75-125	20	
Total Phosphorous as PO4	0.034	1.23	1.23	1.370	1.395	mg/L	109	111	1.8	75-125	20	

QCBatchID: QC1199516 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 12/30/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units	MDL	RDL	Notes
QC1199516MB1					
Total Kjeldahl Nitrogen	ND	mg/L	0.052	0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199516LCS1, QC1199516LCSD1											
Total Kjeldahl Nitrogen	2.5	2.5	3.0	3.0	mg/L	120	120	0	80-120	20	

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199516MS1, QC1199516MSD1												**Source: 410292-003**
Total Kjeldahl Nitrogen	0.620	12.5	12.5	18	19	mg/L	139	147	5.4	80-120	20	M

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1199516DUP1						**Source: 410292-003**
Total Kjeldahl Nitrogen	0.620	0.647	mg/L	4.3	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

Ranjit Clarke

From: Kiernan Brtalik
Sent: Wednesday, December 05, 2018 9:50 AM
To: Ranjit Clarke
Cc: Dennis Dorning; Torin Snyder; Peter Doran; Jaime McClain
Subject: Malibu Civic Center Resampling

Hi Ranjit,

Hope this message finds you well. I'm circling back on our conversation regarding the resampling activities for Civic Center.

We'd like to mobilize for sampling the week of December 17th, with sample collection occurring on 12/18 and 12/19 for both the groundwater monitoring wells and surface water locations (with courier service on those two days). As I mentioned, we will integrate the first day into our monthly elevation monitoring activities, but will need to recover the cost for two days of sampling. This will include 2 samplers and equipment for 2 days (groundwater), plus an additional 2 samplers and equipment for 1 day (surface water).

After a discussion with Dennis, we'd like to run the following analyses, which include constituents that can influence bacteria results:

1. Total and fecal coliform
2. Organic nitrogen
3. Ammonia
4. Nitrite as nitrogen
5. Nitrate as nitrogen
6. TKN
7. Total nitrogen
8. Total phosphorous
9. Total dissolved solids
10. pH

Can we plan to receive bottles by 12/14 for mobilization the following week?

Thank you,
Kiernan

Kiernan Brtalik, CPSWQ, QSP / D
Environmental Scientist

Rincon Consultants, Inc.
Office: 805 328 2687
Mobile: 516 468 9695
www.rinconconsultants.com
Environmental Scientists Planners Engineers

Enthalpy Analytical, LLC
931 W. Barkley Ave - Orange, CA 92868
Tel: (714)771-6900 Fax: (714)538-1209
www.enthalpy.com
info-sc@enthalpy.com

MONTROSE ENVIRONMENTAL

Client:	Rincon Consultants - Ventura
Address:	180 North Ashwood Ave. Ventura, CA 93003
Attn:	Kiernan Brtalik
Comments:	Malibu- Quarterly (re-sample) Ground Water

Lab Request:	410144
Report Date:	12/31/2018
Date Received:	12/19/2018
Client ID:	15888

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods. Methods accredited by NELAC are indicated on the report. This cover letter is an integral part of the final report.

Sample #	Client Sample ID
410144-001	MCWP-MW04D

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

Report Review performed by: Ranjit Clarke, Project Manager

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 60 days from date received.

Matrix:	Water	**Client:**	Rincon Consultants - Ventura	**Collector:**	Client
Sampled:	12/19/2018 12:30	**Site:**			
Sample #:	**410144-001**	**Client Sample #:**	MCWP-MW04D	**Sample Type:**	

Analyte	Result	DF	RDL	Units	Prepared	Analyzed	By	Notes
Method: ALCH 4024	Prep Method: None					QCBatchID:		
Total Organic Nitrogen	ND	1	0.5	mg/L		12/31/18	SLL	
Method: ALCH 4025	Prep Method: None					QCBatchID:		
Total Nitrogen	**2.09**	1	0.5	mg/L		12/31/18	SLL	
Method: EPA 300.0	Prep Method: Method					QCBatchID:		QC1199219
Nitrate + Nitrite, as Nitrogen	**1.84**	1	0.1	mg/L	12/19/18	12/20/18 01:44	JP	
Nitrate, as Nitrogen	**1.84**	1	0.1	mg/L	12/19/18	12/20/18 01:44	JP	
Nitrite, as Nitrogen	ND	1	0.1	mg/L	12/19/18	12/20/18 01:44	JP	
Method: SM 2540-C	Prep Method: Method					QCBatchID:		QC1199223
Total Dissolved Solids	**1170**	2	20	mg/L	12/21/18	12/22/18	DXN	
Method: SM 4500-H+B	Prep Method: Method					QCBatchID:		QC1199417
pH	**6.55**	1		pH Units		12/27/18 18:00	WW	T2
Method: SM 4500-NH3-G	Prep Method: Method					QCBatchID:		QC1199346
Ammonia, as Nitrogen	ND	1	0.1	mg/L	12/21/18	12/26/18	TP	
Method: SM 4500-NH3-G	Prep Method: SM4500-Norg/Auto					QCBatchID:		QC1199516
Total Kjeldahl Nitrogen	ND	1	0.4	mg/L	12/29/18	12/30/18	TP	
Method: SM 4500-P-B-5-E	Prep Method: 4500-P-B-5					QCBatchID:		QC1199447
Total Phosphorous as P	**0.296**	1	0.02	mg/L	12/27/18	12/28/18	TP	
Total Phosphorous as PO4	**0.908**	1	0.06	mg/L	12/27/18	12/28/18	TP	
Method: sm 9223-B-b	Prep Method: Method					QCBatchID:		QC1199164
Fecal Coliform	**1.0**	1		MPN/100ml	12/19/18 17:30	12/20/18	SEM	
Total Coliform	**190**	1		MPN/100ml	12/19/18 17:30	12/20/18	SEM	

QCBatchID: QC1199219 **Analyst:** JParedes **Method:** EPA 300.0

Matrix: Water **Analyzed:** 12/19/2018 **Instrument:** AAICP (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1199219MB1					
Bromide	ND	mg/L		0.3	
Chloride	ND	mg/L		1	
Nitrate + Nitrite, as Nitrogen	ND	mg/L		0.44	
Nitrate, as Nitrogen	ND	mg/L		0.1	
Nitrite, as Nitrogen	ND	mg/L		0.1	
Sulfate	ND	mg/L		0.5	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199219LCS1, QC1199219LCSD1											
Bromide	15	15	15.7	15.7	mg/L	105	105	0	90-110	20	
Chloride	100	100	104	105	mg/L	104	105	1	90-110	20	
Nitrate, as Nitrogen	9.03	9.03	9.27	9.32	mg/L	103	103	1	90-110	20	
Nitrite, as Nitrogen	9.15	9.15	9.62	9.88	mg/L	105	108	3	90-110	20	
Sulfate	50	50	51.2	52.1	mg/L	102	104	2	90-110	20	

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199219MS1, QC1199219MSD1												**Source: 410081-001**
Bromide	0.301	15	15	16.0	16.0	mg/L	105	105	0.0	80-120	20	
Chloride	74.3	100	100	172	172	mg/L	98	98	0.0	80-120	20	
Nitrate, as Nitrogen	0.0470	9.03	9.03	9.31	9.34	mg/L	103	103	0.3	80-120	20	
Nitrite, as Nitrogen	0.218	9.15	9.15	10.4	10.3	mg/L	111	110	1.0	80-120	20	
Sulfate	13.4	50	50	64.3	64.2	mg/L	102	102	0.2	80-120	20	

QCBatchID: QC1199223	**Analyst:** DNguyen		**Method:** SM 2540-C		
Matrix: Water	**Analyzed:** 12/22/2018		**Instrument:** CHEM (group)		

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1199223MB1					
Total Dissolved Solids	ND	mg/L		10	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199223LCS1											
Total Dissolved Solids	95		96.0		mg/L	101			90-110		

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1199223DUP1						**Source: 410085-001**
Total Dissolved Solids	302	302	mg/L	0.0	5	

QCBatchID: QC1199346 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 12/26/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes	
QC1199346MB1						
Ammonia, as Nitrogen	ND	mg/L		0.1		

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199346LCS1											
Ammonia, as Nitrogen	5		4.98		mg/L	100			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199346MS1, QC1199346MSD1												**Source: 410049-001**
Ammonia, as Nitrogen	ND	5	5	5.87	5.95	mg/L	117	119	1.4	80-120	20	

QCBatchID:	**QC1199417**	**Analyst:**	wei	**Method:**	SM 4500-H+B
Matrix:	Water	**Analyzed:**	12/27/2018	**Instrument:**	CHEM (group)

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1199417DUP1						**Source: 409956-001**
pH	6.84	6.85	pH Units	0.1	20	

QCBatchID: QC1199447 **Analyst:** trinh **Method:** SM 4500-P-B-5-E

Matrix: Water **Analyzed:** 12/28/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1199447MB1					
Total Phosphorous as P	ND	mg/L		0.02	
Total Phosphorous as PO4	ND	mg/L		0.06	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount LCS	Spike Amount LCSD	Spike Result LCS	Spike Result LCSD	Units	Recoveries LCS	Recoveries LCSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199447LCS1											
Total Phosphorous as P	0.4		0.425		mg/L	106			80-120		
Total Phosphorous as PO4	1.23		1.303		mg/L	106			80-120		

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount MS	Spike Amount MSD	Spike Result MS	Spike Result MSD	Units	Recoveries MS	Recoveries MSD	RPD	Limits %Rec	Limits RPD	Notes
QC1199447MS1, QC1199447MSD1												**Source: 410093-008**
Total Phosphorous as P	0.237	1	1	1.175	1.165	mg/L	94	93	0.9	75-125	20	
Total Phosphorous as PO4	0.727	3.066	3.066	3.60	3.57	mg/L	94	93	0.8	75-125	20	

QCBatchID: QC1199516 **Analyst:** trinh **Method:** SM 4500-NH3-G

Matrix: Water **Analyzed:** 12/30/2018 **Instrument:** CHEM (group)

Blank Summary

Analyte	Blank Result	Units		RDL	Notes
QC1199516MB1					
Total Kjeldahl Nitrogen	ND	mg/L		0.4	

Lab Control Spike/ Lab Control Spike Duplicate Summary

Analyte	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
	LCS	LCSD	LCS	LCSD		LCS	LCSD		%Rec	RPD	
QC1199516LCS1, QC1199516LCSD1											
Total Kjeldahl Nitrogen	2.5	2.5	3.0	3.0	mg/L	120	120	0	80-120	20	

Matrix Spike/Matrix Spike Duplicate Summary

Analyte	Sample Amount	Spike Amount		Spike Result		Units	Recoveries		RPD	Limits		Notes
		MS	MSD	MS	MSD		MS	MSD		%Rec	RPD	
QC1199516MS1, QC1199516MSD1												**Source: 410292-003**
Total Kjeldahl Nitrogen	0.620	12.5	12.5	18	19	mg/L	139	147	5.4	80-120	20	M

Duplicate Summary

Analyte	Sample Amount	Duplicate Amount	Units	RPD	Limits RPD	Notes
QC1199516DUP1						**Source: 410292-003**
Total Kjeldahl Nitrogen	0.620	0.647	mg/L	4.3	20	

Data Qualifiers and Definitions

Qualifiers

A	See Report Comments.
B	Analyte was present in an associated method blank.
B1	Analyte was present in a sample and associated method blank greater than MDL but less than RDL.
BQ1	No valid test replicates. Sample Toxicity is possible. Best result was reported.
BQ2	No valid test replicates.
BQ3	No valid test replicates. Final DO is less than 1.0 mg/L. Result may be greater.
BQ4	Minor Dissolved Oxygen loss was observed in the blank water check, however, the LCS was within criteria, validating the batch.
BQ5	Minor Dissolved Oxygen loss was observed in the blank water check.
C	Possible laboratory contamination.
D	RPD was not within control limits. The sample data was reported without further clarification.
D1	Lesser amount of sample was used due to insufficient amount of sample supplied.
D2	Reporting limit is elevated due to sample matrix. Target analyte was not detected above the elevated reporting limit.
D3	Insufficient sample was supplied for TCLP. Client was notified. TCLP was performed per the Client's instructions.
DW	Sample result is calculated on a dry weigh basis.
E	Concentration is estimated because it exceeds the quantification limits of the method.
I	The sample was read outside of the method required incubation period.
IR	Inconclusive Result. Legionella is present, however, there is possible non-specific agglutination preventing specific identification.
J	Reported value is estimated
L	The laboratory control sample (LCS) or laboratory control sample duplicate (LCSD) was out of control limits. Associated sample data was reported with qualifier.
L2	LCS did not meet recovery criteria, however, the MS and/or MSD met LCS recovery criteria, validating the batch.
M	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits due to matrix interference. The associated LCS and/or LCSD was within control limits and the sample data was reported without further clarification.
M1	The matrix spike (MS) or matrix spike duplicate (MSD) is not within control limits due to matrix interference.
M2	The matrix spike (MS) or matrix spike duplicate (MSD) was not within control limits. The associated LCS and/or LCSD was not within control limits. Sample result is estimated.
N1	Sample chromatography does not match the specified TPH standard pattern.
NC	The analyte concentration in the sample exceeded the spike level by a factor of four or greater, spike recovery and limits do not apply.
P	Sample was received without proper preservation according to EPA guidelines.
P1	Temperature of sample storage refrigerator was out of acceptance limits.
P2	The sample was preserved within 24 hours of collection in accordance with EPA 218.6.
P3	Per Client request, sample was composited for volatile analysis. Sample compositing for volatile analysis is not recommended due to potential loss of target analytes. Results may be biased low.
Q1	Analyte Calibration Verification exceeds criteria. The result is estimated.
Q2	Analyte calibration was not verified and the result was estimated.
Q3	Analyte initial calibration was not available or exceeds criteria. The result was estimated.
S	The surrogate recovery was out of control limits due to matrix interference. The associated method blank surrogate recovery was within control limits and the sample data was reported without further clarification.
S1	The associated surrogate recovery was out of control limits; result is estimated.
S2	The surrogate was diluted out due to the presence of high concentrations of target and/or non-target compounds. Surrogate recoveries in the associated batch QC met recovery criteria.
S3	Internal Standard did not meet recovery limits. Analyte concentration is estimated.
T	Sample was extracted/analyzed past the holding time.
T1	Reanalysis was reported past hold time due to failing replicates in the original analysis (BOD only).
T2	Sample was analyzed ASAP but received and analyzed past the 15 minute holding time.
T3	Sample received and analyzed out of hold time per client's request.
T4	Sample was analyzed out of hold time per client's request.
T5	Reanalysis was reported past hold time. The original analysis was within hold time, but not reportable.
T6	Hold time is indeterminable due to unspecified sampling time.
T7	Sample was analyzed past hold time due to insufficient time remaining at time of receipt.

Definitions

DF	Dilution Factor
MDL	Method Detection Limit. Result is reported ND when it is less than or equal to MDL.
ND	Analyte was not detected or was less than the detection limit.
NR	Not Reported. See Report Comments.
RDL	Reporting Detection Limit
TIC	Tentatively Identified Compounds

ENTHALPHY ANALYTICAL, INC.	Chain of Custody Record	Turn Around Time (Rush by advanced notice only)
931 W. Barkley Ave., Orange, CA 92868	Lab No: 410144	Standard: X / 4 Day: / 3 Day:
Phone: (714) 771-6900 Fax: (714) 538-1209	Page: 1 of 1	2 Day: / 1 Day: / Same Day:
Billing: Enthalpy - SoCal	Matrix: A = Air DW = Drinking Water FL = Food Liquid FS = Food Solid L = Liquid PP = Pure Product S = Solid SeaW = Sea Water SW = Swab W = Water WP = Wipe O = Other	Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
c/o Montrose Environmental Group		
1 Park Plaza, Suite 1000, Irvine, CA 92614		

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants	Name:	Malibu - Quarterly (re-sample)
Report To:	Kiernan Brtalik	Number:	Ground Water
Email:		P.O. #:	
Address:	180 N. Ashwood Ave.	Address:	
	Ventura, CA 93003		
Phone:	805 6444455	Global ID:	
Cell:		Sampled By:	PETER DORAN

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Total /Fecal Coliforms - SM 9223 Quantitray	EPA 300.0: NO2,NO3	TKN; NH3; Phosphorus	TDS, Organic Nitrogen, Total Nitrogen	pH	Test Instructions / Comments
~~LAMW-5S~~						X	X	X	X	X	
~~SMBRP-9~~						X	X	X	X	X	
~~SMBRP-11~~						X	X	X	X	X	
~~SMBRP-12~~						X	X	X	X	X	
~~MCWP-MW04S~~						X	X	X	X	X	
MCWP-MW04D	12.19.18	1230	W	5/VARIOUS	VARIOUS	X	X	X	X	X	
~~MCWP-MW07S~~						X	X	X	X	X	
~~MCWP-MW07D~~						X	X	X	X	X	
~~MCWP-MW09~~						X	X	X	X	X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		PETER DORAN	Rincon / ES	12.19.18 / 1325
[1] Received By:			Enthalpy	12/19/18 1325
[2] Relinquished By:			Enthalpy	12/19/18 1645
[2] Received By:		Christine Castro	EA	12/19/18 1645
[3] Relinquished By:				
[3] Received By:				

8.4/24 7.9/24

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Project: _____

Date Received: 12/19/18 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 8.4 #2: 7.9 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.4 #2: 2.4 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?	✓		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 12/19/18