RECEIVED
By Alameda County Environmental Health 10:31 am, Jul 13, 2015

Mr. Mark Detterman
Alameda County Environmental Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Former Olympic Service Station
1436 Grant Avenue
San Lorenzo, California
ACEHD Case No. RO0000373, GeoTacker No. T0600102256

Dear Mr. Detterman:

I declare, under penalty of perjury, that the information and or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,
George and Frida Jaber 1989 Family Trust

Philip Jaber, Trustee

STRATUS ENVIRONMENTAL, INC.
3330 Cameron Park Drive Suite 550 Cameron Park CA 95682
Phone: (530) 676-6004 ~ Fax (530) 676-6005

TRANSMITTAL

Date March 12, 2015

Project Former Olympic Station

To:
Oro Loma Sanitary District (OLSD)
Industrial Waste Inspector
2600 Grant Avenue, San Lorenzo CA 94580
Attn: Rodney Smith

Re: Wastewater Discharge Monthly Report (Permit #SDP-2014147)

Item	Description
1	Analytical Report (samples collected on 2/2/15)
2	Operational Performance and Mass Removal Summary Table (Table 9: GW Extraction Component)

Dear Mr. Smith,

Please find attached for your review the analytical results for the effluent water samples collected on February 2, 2015 and the groundwater discharge flow rates observed from the dual-phase extraction and groundwater remediation system at the Former Olympic Station Facility, located at 1436 Grant Avenue, San Lorenzo, California. Between January 5 and March 10, 2015, all extracted groundwater was treated using carbon vessels, and discharged into the sanitary sewer. The approximate monthly discharge and extraction rates are as follows:

- January 5 – February 2, 2015: 22,580 gallons (7.10 gpm)
- February 2 – March 10, 2015: 5,710 gallons (6.34 gpm)

The system operated in compliance with permit conditions and all effluent sample results were below laboratory reporting limits, and within the permit limitations. Stratus will continue to conduct a monthly sampling event and/or prepare monthly monitoring reports, as required by the approved discharge permit. However, due to lack of project funding, the system will be temporarily shut-off near the end of the first quarter (prior to March 31, 2015). Stratus will notify OLSD upon system shut down.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that

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qualified personnel properly gather and evaluate 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 fine and imprisonment for knowing violations."

If you have any questions, or need more information please contact me at (530) 313-9974 or dbarr@stratusinc.net.

Sincerely,

Deborah L. Barr, P.E.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Scott Bittinger
Phone: (530) 676-2062
Fax: (530) 676-6005
Date Received : 02/03/15

Job: Olympic Station

Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B / SW8260B
Volatile Organic Compounds (VOCs) EPA Method SW8260B

		Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID :	**Oly W EFF**					
Lab ID :	STR15020344-01A	TPH-P (GRO)	ND	50 µg/L	02/04/15	02/04/15
Date Sampled	02/02/15 06:37	Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	02/04/15	02/04/15
		Benzene	ND	0.50 µg/L	02/04/15	02/04/15
		Toluene	ND	0.50 µg/L	02/04/15	02/04/15
		Ethylbenzene	ND	0.50 µg/L	02/04/15	02/04/15
		m,p-Xylene	ND	0.50 µg/L	02/04/15	02/04/15
		o-Xylene	ND	0.50 µg/L	02/04/15	02/04/15

Gasoline Range Organics (GRO) C4-C13

ND = Not Detected

Reported in micrograms per Liter, per client request.

ACCREDITED DoD ELAP

Roger Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered an any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

2/4/15
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR15020344 **Job:** Olympic Station

Alpha's Sample ID	Client's Sample ID	Matrix	pH
15020344-01A	Oly W EFF	Aqueous	2

2/4/15

Report Date

Alpha Analytical, Inc.

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Date: *06-Feb-15*

QC Summary Report

Work Order: 15020344

Method Blank

Type **MBLK** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020405.D** Batch ID: **MS15W0204B** Analysis Date: **02/04/2015 12:08**

Sample ID: **MBLK MS15W0204B** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 12:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	ND	50								
Surr: 1,2-Dichloroethane-d4	9.26		10		93	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020404.D** Batch ID: **MS15W0204B** Analysis Date: **02/04/2015 11:22**

Sample ID: **GLCS MS15W0204B** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 11:22**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	384	50	400		96	70	130			
Surr: 1,2-Dichloroethane-d4	9.44		10		94	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	10.9		10		109	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020416.D** Batch ID: **MS15W0204B** Analysis Date: **02/04/2015 16:35**

Sample ID: **15020344-01AGS** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 16:35**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2190	250	2000	0	110	54	143			
Surr: 1,2-Dichloroethane-d4	55		50		110	70	130			
Surr: Toluene-d8	47.9		50		96	70	130			
Surr: 4-Bromofluorobenzene	51.4		50		103	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method SW8015B/C / SW8260B**

File ID: **15020417.D** Batch ID: **MS15W0204B** Analysis Date: **02/04/2015 17:00**

Sample ID: **15020344-01AGSD** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 17:00**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)	2380	250	2000	0	119	54	143	2193	8.1(23)	
Surr: 1,2-Dichloroethane-d4	53.7		50		107	70	130			
Surr: Toluene-d8	48.6		50		97	70	130			
Surr: 4-Bromofluorobenzene	51.5		50		103	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 06-Feb-15

QC Summary Report

Work Order: 15020344

Method Blank

Type **MBLK** Test Code: **EPA Method 624/8260**

File ID: **15020405.D** Batch ID: **MS15W0204A** Analysis Date: **02/04/2015 12:08**

Sample ID: **MBLK MS15W0204A** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 12:08**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	ND	0.5								
Benzene	ND	0.5								
Toluene	ND	0.5								
Ethylbenzene	ND	0.5								
m,p-Xylene	ND	0.5								
o-Xylene	ND	0.5								
Surr: 1,2-Dichloroethane-d4	9.26		10		93	70	130			
Surr: Toluene-d8	10.2		10		102	70	130			
Surr: 4-Bromofluorobenzene	10.2		10		102	70	130			

Laboratory Control Spike

Type **LCS** Test Code: **EPA Method 624/8260**

File ID: **15020403.D** Batch ID: **MS15W0204A** Analysis Date: **02/04/2015 10:44**

Sample ID: **LCS MS15W0204A** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 10:44**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	8.92	0.5	10		89	63	137			
Benzene	8.82	0.5	10		88	70	130			
Toluene	8.92	0.5	10		89	80	120			
Ethylbenzene	8.58	0.5	10		86	80	120			
m,p-Xylene	9.26	0.5	10		93	65	139			
o-Xylene	9.04	0.5	10		90	70	130			
Surr: 1,2-Dichloroethane-d4	9.88		10		99	70	130			
Surr: Toluene-d8	10		10		100	70	130			
Surr: 4-Bromofluorobenzene	10.1		10		101	70	130			

Sample Matrix Spike

Type **MS** Test Code: **EPA Method 624/8260**

File ID: **15020414.D** Batch ID: **MS15W0204A** Analysis Date: **02/04/2015 15:47**

Sample ID: **15020344-01AMS** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 15:47**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	57.5	1.3	50	0	115	56	140			
Benzene	48.7	1.3	50	0	97	67	134			
Toluene	46.6	1.3	50	0	93	38	130			
Ethylbenzene	45.1	1.3	50	0	90	70	130			
m,p-Xylene	47.8	1.3	50	0	96	65	139			
o-Xylene	48.1	1.3	50	0	96	69	130			
Surr: 1,2-Dichloroethane-d4	55.6		50		111	70	130			
Surr: Toluene-d8	47.3		50		95	70	130			
Surr: 4-Bromofluorobenzene	49.7		50		99	70	130			

Sample Matrix Spike Duplicate

Type **MSD** Test Code: **EPA Method 624/8260**

File ID: **15020415.D** Batch ID: **MS15W0204A** Analysis Date: **02/04/2015 16:11**

Sample ID: **15020344-01AMSD** Units : µg/L Run ID: **MSD_15_150204A** Prep Date: **02/04/2015 16:11**

Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
Methyl tert-butyl ether (MTBE)	63.9	1.3	50	0	128	56	140	57.52	10.5(40)	
Benzene	52.8	1.3	50	0	106	67	134	48.69	8.0(21)	
Toluene	50.2	1.3	50	0	100	38	130	46.56	7.5(20)	
Ethylbenzene	48.1	1.3	50	0	96	70	130	45.14	6.4(20)	
m,p-Xylene	51.3	1.3	50	0	103	65	139	47.82	7.0(20)	
o-Xylene	51.6	1.3	50	0	103	69	130	48.1	6.9(20)	
Surr: 1,2-Dichloroethane-d4	55		50		110	70	130			
Surr: Toluene-d8	48.6		50		97	70	130			
Surr: 4-Bromofluorobenzene	49.5		50		99	70	130			

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: *06-Feb-15*

QC Summary Report

Work Order: 15020344

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

CA RUSH!

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : STR15020344

Report Due By : 5:00 PM On : 04-Feb-15

Client:
Stratus Environmental
3330 Cameron Park Drive
Suite 550
Cameron Park, CA 95682-8861

Report Attention	Phone Number	EMail Address
Scott Bittinger	(530) 676-2062 x	sbittinger@stratusinc.net

EDD Required : Yes

Sampled by : C. Hill

PO :

Client's COC # : 16877 Job : Olympic Station

Cooler Temp	Samples Received	Date Printed
0 °C	03-Feb-15	03-Feb-15

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles Alpha	Sub	TAT	Requested Tests TPH/P_W	VOC_W							Sample Remarks
STR15020344-01A	Oly W EFF	AQ	02/02/15 06:37	3	0	1	GAS-C	BTEX/M_C							

Comments: 24hr TAT. Security seals intact. Frozen ice. Chain split into two separate due to different TAT. :

	Signature	Print Name	Company	Date/Time
Logged in by:		JESSICA ALVARADO	Alpha Analytical, Inc.	2/3/15 1010

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information:

Company: Struts
Attn: Debbie
Address: 3330 Cameron Park Dr
City, State, Zip: Cameron Pk
Phone Number: 5306766004 Fax: 5306766005

Alpha Analytical, Inc.

Main Laboratory: 255 Glendale Ave, Suite 21 Sparks, NV 89431 Phone: 775-355-1044 Fax: 775-355-0406

Satellite Service Centers:

Northern CA: 9891 Horn Road, Suite C, Rancho Cordova, CA 95827 Phone: 916-366-9089
Southern CA: 1007 E. Dominguez St., Suite O, Carson, CA 90746 Phone: 714-386-2901
Northern NV: 1250 Lamoille Hwy., #310, Elko, NV 89801 Phone: 775-388-7043
Southern NV: 6255 McLeod Ave, Suite 24, Las Vegas, NV 89120 Phone: 702-281-4848

16877

Page # 1 of 1

Consultant/ Client Info:

Company: Struts
Address:
City, State, Zip:

Job and Purchase Order Info:

Job #
Job Name: Olympic Station
P.O. #:

Report Attention/Project Manager:

Name: Scott
Email Address:
Phone #:
Cell #:

QC Deliverable Info:

EDD Required? Yes / No EDF Required? Yes / No
Global ID: T0600102256
Data Validation Packages: III or IV

Samples Collected from which State? (circle one) AR CA KS NV OR WA DOD Site Other

Time Sampled (HHMM)	Date Sampled (MM/DD)	Matrix* (See Key Below)	Lab ID Number (For Lab Use Only)	Sample Description	TAT	# Containers** (See Key Below)	Field Filtered? Yes	Field Filtered? No	GRO 8015B	BTEX 8021B	MTBE 8260B	Remarks
0647	2/3	AQ	STK	Oly W INF	STD	3		X	X	X	X	
0644	"	"		Oly W GAC 1	STD	3		X	X	X	X	
0640	"	"		Oly W GAC 2	STD	3		X	X	X	X	
0637	"	"	STK 1502034-01A	Oly W EFF	24	3		X	X	X	X	

ADDITIONAL INSTRUCTIONS:

I (field sampler) attest to the validity and authenticity of this sample(s). I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. NAC 445.0636 (c) (2).

Sampled By: CHILL

Relinquished by: (Signature/Affiliation)	Date	Time	Received by: (Signature/Affiliation)	Date	Time
Struts	2-2-15	1247	Melissa AT	2-2-15	1247
				2/3/15	945

* Key: AQ - Aqueous WA - Waste OT - Other So-Soil ** L - Liter V - VOA S-Soil Jar O - Orbo T - Tedlar B - Brass P - Plastic OT - Other

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.

TABLE 9
GROUNDWATER EXTRACTION COMPONENT - OPERATIONAL PERFORMANCE AND MASS REMOVAL SUMMARY
DPE REMEDIATION EVENT
Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California

Date	Notes	Sample Time	Hour Meter Reading[1]	Sewer Discharge Data				Analytical Results Influent			Mass Removed This Period[b]			Cumulative Mass Removed		
				Totalizer Reading (gallons)	Period (gallons)	Cumulative Flow (gallons)	Average Sewer Discharge Flow Rate (gpm)[a]	GRO (µg/L)	Benzene (µg/L)	MTBE (µg/L)	GRO (lbs)	Benzene (lbs)	MTBE (lbs)	GRO (lbs)	Benzene (lbs)	MTBE (lbs)
7/21/14	1	7:43	3,478.1	60,440	--	--	--	Start of Test								
07/29/14		5:55	3,599.7	110,120	49,680	49,680	6.81	310	3.3	37	0.13	0.0014	0.015	0.13	0.0014	0.015
08/18/14		7:15	3,862.0	196,310	86,190	135,870	5.48	170	3.4	39	0.17	0.0024	0.027	0.30	0.0038	0.043
09/08/14		7:55	4,247.0	305,370	109,060	244,930	4.72	<50	0.89	12	<0.10	0.0020	0.023	0.40	0.0057	0.066
10/02/14	2	7:25	4,823.0	458,740	153,370	398,300	4.44	<50	0.77	11	<0.06	0.0011	0.015	0.47	0.0068	0.081
11/03/14		7:58	5,265.0	618,930	160,190	558,490	6.04	<50	<0.50	13	<0.07	<0.001	0.016	0.53	0.0076	0.097
12/04/14		6:55	5,271.0	621,440	2,510	561,000	6.97	<50	0.98	21	<0.001	<0.00002	0.0004	0.53	0.0077	0.097
01/05/15	3	7:46	5,873.0	875,710	254,270	815,270	7.04	<50	5.40	29	<0.106	<0.00677	0.0530	0.64	0.0144	0.150
02/02/15		6:53	5,926.0	898,290	22,580	837,850	7.10	<50	2.40	22	<0.009	<0.00073	0.0048	0.65	0.0152	0.155
03/10/15	4	7:05	5,941.0	904,000	5,710	843,560	6.34	Waiting Laboratory Results								

Legend / Key:

GRO = Gasoline Range Organics C4-C13

MTBE = Methyl tertiary butyl ether

µg/L = micrograms per liter

gpm = gallons per minute

lbs = pounds

-- = data not collected/not calculated

Analytical Methods /Laboratory:

GRO analyzed using EPA Method SW8015B/SW8260B

Benzene and MTBE analyzed using EPA Method SW8260B

Alpha Analytical, Inc. (ELAP # 2019)

[a] Not representative of actual flow rate, calculation affected by system down time.

[b] Mass removed this period (pounds) = Average concentration (µg/L)[between the sample dates] x Period gallons x (2.2046×10^{-9})(lb/µg) / 0.26418 (gal/L)

[1] Hour meter readings were not taken at exact sampling times, therefore, times noted are readings obtained closest to the actual sampling times.

Notes:

1 DPE extracting from extraction wells EX-2 through EX-7.

2 DPE extracting from extraction wells EX-1 through EX-7.

3 DPE extracting from extraction wells EX-1, EX-5 and EX-6.

4 DPE extracting from extraction wells EX-1 and EX-5.