



Osprey Environmental Engineering, LLC

146 East Main Street, Clinton, CT 06413

Phone: 860.669.8651

Mr. Scott Bartlett
Fairfield Public Works Department
1 Rod Highway
Fairfield, CT 06824

12 April 2016

Re: Fairfield DPW Yard Pond Monitoring Report 2016 Q1, 1 Rod Highway, Fairfield, CT

Osprey Environmental Engineering LLC (Osprey) has completed sampling for the pond discharge adjacent to the above referenced site. A surface water sample was collected from the pond discharge (location shown on attached map) during an outgoing tide to assess potential surface water quality impacts due to operations at the adjoining facility. The sample was submitted to Complete Environmental Testing Laboratories (CET) in Stratford, CT for analysis for EPA Method 8270D polynuclear aromatic hydrocarbons (PNAs) and EPA Methods 7470A/200.7 RCRA8 metals. These components were chosen for analysis based on the potential constituents of concern – petroleum products associated with asphalt fragments/millings, and metals associated with street sweepings. The following table summarizes the analyses with reference to the Connecticut Department of Energy & Environmental Protection (DEEP) Remediation Standards Regulations (RSRs). The RSRS are the commonly accepted reference for comparison of concentrations of chemical constituents with respect to the environment and human health considerations.

COMPOUND (ug/l)	SWPC Criteria	Sample FDPW	COMPOUND (ug/l)	SWPC Criteria	Sample FDPW
Acenaphthylene	0.3	ND	2-Methyl naphthalene	NE	ND
Anthracene	1100000	ND	Naphthalene	NE	ND
Benzo(a)anthracene	0.3	ND	Phenanthrene	0.077	ND
Benzo(a)pyrene	0.3	ND	Pyrene	110000	ND
Benzo(b)fluoranthene	0.3	ND	Arsenic	4	ND
Benzo(g,h,i)perylene	NE	ND	Barium	NE	ND
Benzo(k)fluoranthene	0.3	ND	Cadmium	6	ND
Chrysene	NE	ND	Chromium	1200	ND
Dibenzo(a,h)anthracene	NE	ND	Lead	13	ND
Fluoranthene	3700	ND	Mercury	0.4	ND
Fluorene	140000	ND	Selenium	50	ND
Indeno(1,2,3-cd)pyrene	NE	ND	Silver	12	ND

ND – not detected above the laboratory analytical threshold; NE – standard not established under the RSRs

SWPC – DEP RSR Surface Water Protection Criteria

None of the components for which analyses were conducted were present above the laboratory analytical threshold. Should you have any questions regarding the above, please contact the undersigned.

Sincerely,
Osprey Environmental Engineering, LLC.

Robert J. Grabarek, P.E., L.S., LEP
President



Osprey Environmental Engineering, LLC
146 East Main Street
Clinton, Connecticut

FIGURE 1
Sample Location

1 Rod Highway
Fairfield, CT

Date: April 2016

Scale: NTS



Client: Mr. Robert Grabarek
Osprey Enviromental
146 East Main St
Clinton, CT 06413

Analytical Report

CET# 6030399

Report Date: March 24, 2016
Project: FDPW, Fairfield

Connecticut Laboratory Certificate: PH 0116
Massachusetts laboratory Certificate: M-CT903



New York Certification: 11982
Rhode Island Certification: 199

CET #: 6030399
Project: FDPW, Fairfield

SAMPLE SUMMARY

The sample(s) were received at 2.5°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
FDPW	6030399-01	Water	3/16/2016 13:00	03/17/2016

Analyte: Dissolved Mercury [EPA 7470A]

Analyst: KP

Matrix: Water

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
6030399-01	FDPW	ND	0.00040	mg/L	1	B6C2217	03/22/2016	03/22/2016 15:25	

Analyte: Dissolved Filtration Method [EPA 3005A]

Analyst: KP

Prep: EPA 3005A

Matrix: Water

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
6030399-01	FDPW	Lab Filtered	0.00		1	B6C2215	03/22/2016	03/22/2016 11:28	

Client Sample ID FDPW

Lab ID: 6030399-01

Dissolved Metals

Analyst: SS

Method: EPA 200.7

Matrix: Water

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	ND	0.013	1	EPA 3005A	B6C2225	03/22/2016	03/22/2016 17:26	
Selenium	ND	0.010	1	EPA 3005A	B6C2225	03/22/2016	03/22/2016 17:26	
Cadmium	ND	0.0050	1	EPA 3005A	B6C2225	03/22/2016	03/22/2016 17:26	
Chromium	ND	0.050	1	EPA 3005A	B6C2225	03/22/2016	03/22/2016 17:26	
Arsenic	ND	0.0040	1	EPA 3005A	B6C2225	03/22/2016	03/22/2016 17:26	
Barium	ND	0.050	1	EPA 3005A	B6C2225	03/22/2016	03/22/2016 17:26	
Silver	ND	0.012	1	EPA 3005A	B6C2225	03/22/2016	03/22/2016 17:26	

Semivolatile Organics By SIM

Analyst: ALB

Method: EPA 8270D

Matrix: Water

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
2-Methyl Naphthalene	ND	1.0	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Acenaphthylene	ND	0.30	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Acenaphthene	ND	1.0	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Fluorene	ND	1.0	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Phenanthrene	ND	0.077	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Anthracene	ND	1.0	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Fluoranthene	ND	1.0	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Pyrene	ND	1.0	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Benzo[a]anthracene	ND	0.060	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Chrysene	ND	0.50	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Benzo[b]fluoranthene	ND	0.080	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Benzo[k]fluoranthene	ND	0.30	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Benzo[a]pyrene	ND	0.20	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Indeno[1,2,3-cd]pyrene	ND	0.20	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Dibenz[a,h]anthracene	ND	0.20	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
Benzo[g,h,i]perylene	ND	0.40	1	EPA 3510C	B6C2101	03/21/2016	03/21/2016 23:13	
<i>Surrogate: Nitrobenzene-d5</i>	63.0 %	30 - 130			B6C2101	03/21/2016	03/21/2016 23:13	
<i>Surrogate: 2-Fluorobiphenyl</i>	61.6 %	30 - 130			B6C2101	03/21/2016	03/21/2016 23:13	

CET #: 6030399
Project: FDPW, Fairfield

Client Sample ID FDPW

Lab ID: 6030399-01

Semivolatile Organics By SIM

Analyst: ALB

Method: EPA 8270D

Matrix: Water

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Terphenyl-d14</i>	<i>105 %</i>		<i>30 - 130</i>		B6C2101	03/21/2016	<i>03/21/2016 23:13</i>	

Questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,



David Ditta
Laboratory Director

Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- + - The Surrogate was diluted out.
- *C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- *C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- *F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- *F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- I- The Analyte exceeds %RSD limits for the Initial Calibration. This is a non-directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at the specified detection limit

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

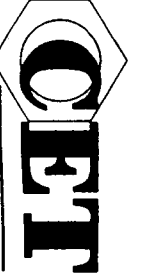
CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 200.7 in Water</i>	
Lead	CT,MA,NY,RI
Selenium	CT,MA,NY,RI
Cadmium	CT,MA,NY,RI
Chromium	CT,MA,NY,RI
Arsenic	CT,MA,NY,RI
Barium	CT,NY
Silver	CT,MA,NY,RI
<i>EPA 7470A in Water</i>	
Mercury	CT,NY
<i>EPA 8270D in Water</i>	
Naphthalene	CT,NY
2-Methyl Naphthalene	CT,NY
Acenaphthylene	CT,NY
Acenaphthene	CT,NY
Fluorene	CT,NY
Phenanthrene	CT,NY
Anthracene	CT,NY
Fluoranthene	CT,NY
Pyrene	CT,NY
Benzo[a]anthracene	CT,NY
Chrysene	CT,NY
Benzo[b]fluoranthene	CT,NY
Benzo[k]fluoranthene	CT,NY
Benzo[a]pyrene	CT,NY
Indeno[1,2,3-cd]pyrene	CT,NY
Dibenz[a,h]anthracene	CT,NY
Benzo[g,h,i]perylene	CT,NY

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2016
MA	Massachusetts Laboratory Certification	M-CT903	06/30/2016
NY	New York Certification (NELAC)	11982	04/01/2016
RI	Rhode Island Certification	LAO 00227	09/30/2016



COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

Volatile Soils Only:

Date and Time in Freezer

Client: **CET**

Additional Analysis

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@celtads.com
Bottle Request e-mail: bottleorders@celtads.com

Sample ID	Sample Depths (Units)	Collection Date/Time	Matrix				Turnaround Time ** (check one)
			A=Air	S=Soil	W=Water	DM=Drinking Water	
FDR20		3/16/16 1:00p					Std (5-7 Days) <input checked="" type="checkbox"/>

PRESERVATIVE (Cl-HCl, N-HNO ₃ , S-H ₂ SO ₄ , Na-NaOH, C=Cool, O-Other)	CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)	Soil VOCs Only (M=MeOH, B=Bisulfate, W=Water, F=Vial, Empty)	RECEIVED BY	DATE/TIME	RECEIVED BY	DATE/TIME
			<i>[Signature]</i>	3-17-16	<i>[Signature]</i>	3-17-16
			<i>[Signature]</i>	3-17-16	<i>[Signature]</i>	3-17-16

Client / Reporting Information

Company Name: **OSPREY**

Address: _____

City: _____ State: _____ Zip: _____

Report To: _____ E-mail: _____

Phone #: _____ Fax #: _____

Organics	Metals (check all that apply)	Additional Analysis
8260 CT List		
8260 Aromatics		
8260 Halogens		
624		
CT ETPH		
8270 CT List		
8270 PNAs	<input checked="" type="checkbox"/>	
PCBs		
Pesticides		
13 Priority Poll		
8 RCRA	<input checked="" type="checkbox"/>	
TOTAL		
TCLP		
SPLP		
Field Filtered		
Lab To Filter		
TOTAL # OF CONT.		2
NOTE #		

Project Information

Project Contact: **R. GARRARD** PO #: _____

Project #: _____

Location: **FARFIELD** Collector(s): **R. GARRARD**

QA/QC: Std Site Specific (MS/MSD) * RCP Pkg * DQAW *

Data Report PDF EDD - Specify Format _____ Other _____

RSR Reporting Limits (check one) GA GB SWP Other _____

Laboratory Certification Needed (check one) CT NY RI MA

Temp Upon Receipt: **25** °C Evidence of Cooling: N

SHEET **1** OF **1**

NOTES:

* Additional charge may apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day. REV. 06/14