

Pamela F. Faggert
Vice President and Chief Environmental Officer
5000 Dominion Boulevard, Glen Allen, VA 23060
Phone: 804-273-3467



July 19, 2006

US Environmental Protection Agency
RPG-NOC Processing
Municipal Assistance Unit (CMU)
One Congress Street, Suite 1100
Boston, MA 02114-2023

**Re: Dominion Energy Brayton Point, LLC, Somerset, Massachusetts
NOI for Coverage under the Remediation General Permit (RPG) for
Massachusetts**

Dear Sir or Madam,

Dominion Energy Brayton Point, LLC (Dominion) is pleased to submit the attached National Pollutant Discharge Elimination System (NPDES) Notice of Intent (NOI) for coverage under the Remediation General Permit (RGP) for the Dominion Brayton Point Project. This application addresses dewatering requirements associated with excavations for the installation of foundations for new spray dryer absorbers to control sulfur dioxide (SO₂) as part of the Emissions Control Plan for Brayton Point Station. In addition to the application form, we have attached a site location map (Figure 1), and a resource area map (Figure 2), and supporting groundwater analytical data.

Potential constituents of concern include total suspended solids, semi-volatile organic compounds and metals, although elevated total metals concentrations reported in pre-construction groundwater quality samples are likely to be adsorbed to sediments and not biologically available.

The proposed dewatering treatment system is designed to handle up to 20 gallons per minute (gpm) of dewatering effluent and is expected to periodically operate at rates ranging from 5 gpm to 20 gpm, when required. The treatment system will consist of the following process components:

- 1) 10,000 gallon fractionation tank for removal of suspended solids, settleable solids, and oil and grease if present;
- 2) Bag filters (35 micron to 50 micron) for effluent polishing prior to granular activated carbon (GAC) treatment; and,
- 3) Two (2) 1000-pound GAC filters connected in series.

Treated effluent from the system will be discharged to the Taunton River via Brayton Point Station's Outfall 013. The proposed construction dewatering treatment system will be maintained and monitored in accordance with all applicable requirements under the

RGP. Dominion anticipates that the dewatering system will be required periodically through the end of 2006.

Mount Hope Bay is listed on the Massachusetts 303(d) list as an impaired water body for the following constituents:

- Unknown toxicity,
- Organic enrichment/low DO,
- Nutrients,
- Thermal modifications, and
- Pathogens

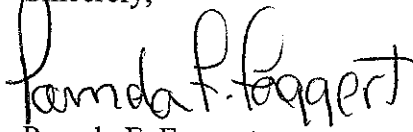
Discharge of treated effluent from the construction dewatering treatment system will be in compliance with the effluent limitations contained in the RGP and will not exacerbate any water quality conditions noted above.

Correspondence from the Massachusetts Historical Commission (MHC) and the Massachusetts Division of Marine Fisheries (MDMF) is attached. MHC has concluded that the project is unlikely to affect any significant historical or archaeological resources. The MDMF notes the presence of quahogs (*Mercenaria mercenaria*) and blue mussels (*Mytilus edulis*) in the project area, but also that this portion of Mount Hope Bay is currently classified as "Prohibited" for shellfishing with a "Closed to Shellfishing" status. A copy of a draft RGP application has been forwarded to the MDMF for any additional input/comments.

Based on review of the Massachusetts Natural Heritage Atlas, 11th Edition, there are no estimated habitats of rare wildlife or certified vernal pools or priority habitats of rare species located in the project vicinity. In addition, the project is not located within any areas designated by the National Marine Fisheries Service as requiring further agency review relative to threatened or endangered species. Dominion is awaiting feedback from the MDMF.

Your assistance in processing this application is greatly appreciated. If you have any questions or would like additional information please feel free to call Meredith M. Simas at your earliest convenience. She may be reached at (508) 646-5338.

Sincerely,


Pamela F. Faggert



Dominion Brayton Point
Somerset, Massachusetts

Air Emission Control Projects Spray Dryer Absorbers Foundation Installation

NOTICE OF INTENT FOR COVERAGE UNDER THE REMEDATION GENERAL PERMIT



Submitted to:
U.S. Environmental Protection Agency, Region 1

July 2006

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1. Notice of Intent
2. Figures
3. Analytical Data
5. Agency Correspondences

NOTICE OF INTENT

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General site information. Please provide the following information about the site:

a) Name of facility/site :		Facility/site address:		
Location of facility/site : longitude: <u>40°42'40"N</u> latitude: <u>71°11'31"W</u>	Facility SIC code(s):	Street:		
b) Name of facility/site owner :		Town:		
Email address of owner:		State:	Zip:	County:
Telephone no. of facility/site owner :				
Fax no. of facility/site owner :		Owner is (check one): 1. Federal____ 2. State/Tribal____ 3. Private____ 4. other, if so, describe:		
Address of owner (if different from site):				
Street:				
Town:	State:	Zip:	County:	
c) Legal name of operator :	Operator telephone no:			
	Operator fax no.:		Operator email:	
Operator contact name and title:				

4) If hydrostatic testing, total volume of the discharge (gals):	5) Is the discharge intermittent_____ or seasonal_____? Is discharge ongoing Yes _____ No _____?
c) Expected dates of discharge (mm/dd/yy): start_____ end_____	
d) Please attach a line drawing or flow schematic showing water flow through the facility including: 1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).	

See Figure 3, attached.

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for **all** of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provided the data was analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge falls within.

Gasoline Only	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
Fuel Oils (and Other Oils) only	VOC with Other Contaminants	Petroleum with Other Contaminants	Listed Contaminated Sites	Contaminated Dredge Condensates	Hydrostatic Testing of Pipelines/Tanks	Well Development or Rehabilitation

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method (ug/l)	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids										
2. Total Residual Chlorine										
3. Total Petroleum Hydrocarbons										
4. Cyanide										
5. Benzene										
6. Toluene										
7. Ethylbenzene										
8. (m,p,o) Xylenes										
9. Total BTEX ⁴										

⁴BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method (ug/l)	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide (1,2- Dibromo-methane)										
11. Methyl-tert-Butyl Ether (MtBE)										
12. tert-Butyl Alcohol (TBA)										
13. tert-Amyl Methyl Ether (TAME)										
14. Naphthalene										
15. Carbon Tetra-chloride										
16. 1,4 Dichlorobenzene										
17. 1,2 Dichlorobenzene										
18. 1,3 Dichlorobenzene										
19. 1,1 Dichloroethane										
20. 1,2 Dichloroethane										
21. 1,1 Dichloroethylene										
22. cis-1,2 Dichloro-ethylene										
23. Dichloromethane (Methylene Chloride)										
24. Tetrachloroethylene										

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method (ug/l)	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane										
26. 1,1,2 Trichloroethane										
27. Trichloroethylene										
28. Vinyl Chloride										
29. Acetone										
30. 1,4 Dioxane										
31. Total Phenols										
32. Pentachlorophenol										
33. Total Phthalates ⁵ (Phthalate esthers)										
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]										
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)										
a. Benzo(a) Anthracene										
b. Benzo(a) Pyrene										
c. Benzo(b)Fluoranthene										
d. Benzo(k) Fluoranthene										
e. Chrysene										

⁵The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method (ug/l)	Maximum daily value		Average daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
f. Dibenzo(a,h) anthracene										
g. Indeno(1,2,3-cd) Pyrene										
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)										
h. Acenaphthene										
i. Acenaphthylene										
j. Anthracene										
k. Benzo(ghi) Perylene										
l. Fluoranthene										
m. Fluorene										
n. Naphthalene-										
o. Phenanthrene										
p. Pyrene										
37. Total Polychlorinated Biphenyls (PCBs)			6							
38. Antimony										
39. Arsenic										
40. Cadmium										
41. Chromium III										
42. Chromium VI										

⁶analytical data not available

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper										
44. Lead										
45. Mercury										
46. Nickel										
47. Selenium										
48. Silver										
49. Zinc										
50. Iron			7							
Other (describe): See Attached Table										

c) For discharges where **metals** are believed present, please fill out the following:

<i>Step 1:</i> Do any of the metals in the influent have a reasonable potential to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y____ N____	If yes, which metals?
<i>Step 2:</i> For any metals which have reasonable potential to exceed the Appendix III limits, calculate the dilution factor (DF) using the formula in Part I.A.3.c) (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metals: _____ DF: ☐ - Saltwater discharge	Look up the limit calculated at the corresponding dilution factor in Appendix IV. Do any of the metals in the influent have the potential to exceed the corresponding effluent limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y____ N____ If “Yes,” list which metals:

⁷ analytical data not available

4. Treatment system information. Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank	Air stripper	Oil/water separator	Equalization tanks	Bag filter	GAC filter
	Chlorination	Dechlorination	Other (please describe):			
c) Proposed average and maximum flow rates (gallons per minute) for the discharge and the design flow rate(s) (gallons per minute) of the treatment system: Average flow rate of discharge _____ Maximum flow rate of treatment system _____ Design flow rate of treatment system _____ (estimate)						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets):						

5. Receiving surface water(s). Please provide information about the receiving water(s), using separate sheets as necessary:

a) Identify the discharge pathway:	Direct _____	Within facility__	Storm drain____	River/brook____	Wetlands _____	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:						

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water: 1. For multiple discharges, number the discharges sequentially. 2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas. (See Figures 1 and 2, attached.)	
d) Provide the state water quality classification of the receiving water_____,	
e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water <u>N/A-Saltwater</u> _____ cfs Please attach any calculation sheets used to support stream flow and dilution calculations.	
f) Is the receiving water a listed 303(d) water quality impaired or limited water? Yes____ No____ If yes, for which pollutant(s)? Is there a TMDL? Yes____ No____ If yes, for which pollutant(s)?	-unknown toxicity -nutrients -low DO -thermal modifications -pathogens

6. Results of Consultation with Federal Services: Please provide the following information according to requirements of Part I.B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes____No____ Has any consultation with the federal services been completed? _____ No____ or is consultation underway? _____ No____ What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service? <u>Yes</u> (check one): a “no jeopardy” opinion? _____or written concurrence_____ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?
b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge? Yes_____ No_____ Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes_____ No_____

7. Supplemental information. :

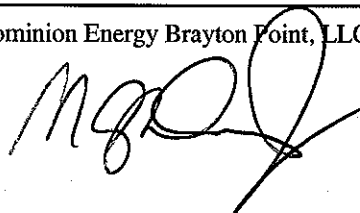
Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

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 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, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility/Site Name: Dominion Energy Brayton Point, LLC

Operator signature:



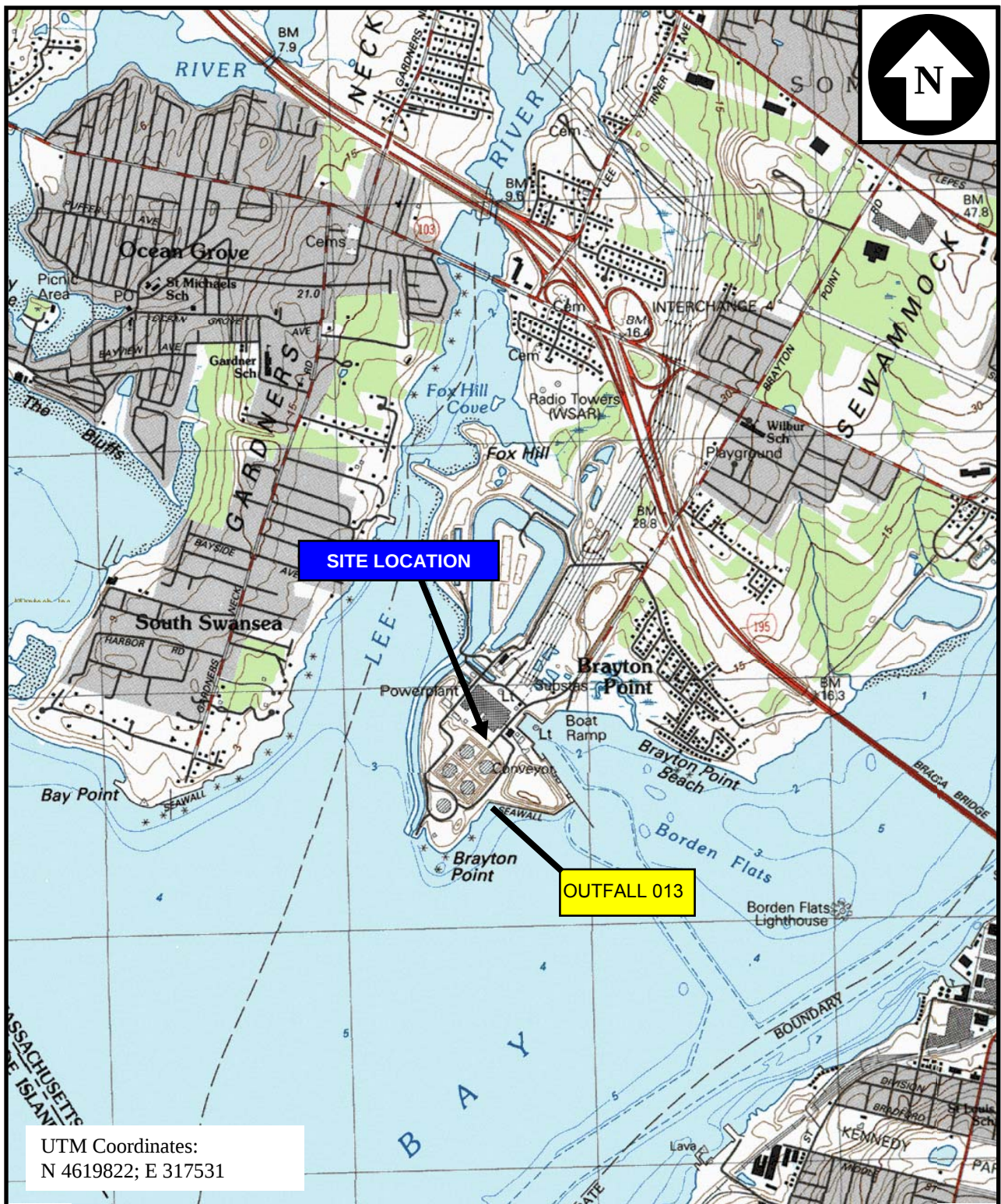
Title: Vice President

Date:

July 20, 2004

Other Parameters Detected

PARAMETER	Believe Absent	Believe Present	# of samples	Type of Sample	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum Daily Value		Average Daily Value	
							Conc. (ug/l)	Mass (kg)	Conc. (ug/l)	Mass (kg)
1-Methylnaphthalene		✓	2	Grab	8270c	0.20	23	0.0025	23	0.0013
Biphenyl		✓	2	Grab	8270c	0.20	6.0	0.00065	6.0	0.00033
2, 6 - Dimethylnaphthalene		✓	2	Grab	8270c	0.20	24	0.0026	24	0.0013
1- Methylphenanthrene		✓	2	Grab	8270c	0.20	0.37	0.00004	0.37	0.00002



UTM Coordinates:
N 4619822; E 317531

BASE MAP IS A PORTION OF THE FOLLOWING 7.5' x 15' USGS
TOPOGRAPHIC QUADRANGLE: FALL RIVER, MA, 1985

0 2000 4000
scale in feet



TRC

Boott Mills South
Foot of John Street
Lowell, MA 01852
978-970-5600

**SITE LOCATION MAP
BRAYTON POINT
SOMERSET, MASSACHUSETTS**

FIGURE 1

PROJ. NO. 48933

R:\Projects\GIS_2003\37894_Brayton\mxd\FIG2_PriorityResources.mxd



- Roads: Limited Access, Multi-Lane, Major/Minor ———
- Town Line, Perennial Str, Int Str, Aqueduct, Dam, Channel in Water ———
- Wetland, Salt Wetland, Open Water, Reservoir ———
- Protected Open Space, ACEC, Certified Vernal Pool 2003 ———
- Priority Habitat 2005, Rare Wildlife 2005 ———
- Marsh/Bog, Wooded Marsh, Salt Marsh, Tidal Flat, Cranberry Bog, Beach/Dune ———

TRC

Boott Mills South
116 John Street
Lowell, MA 0185
978-970-5600

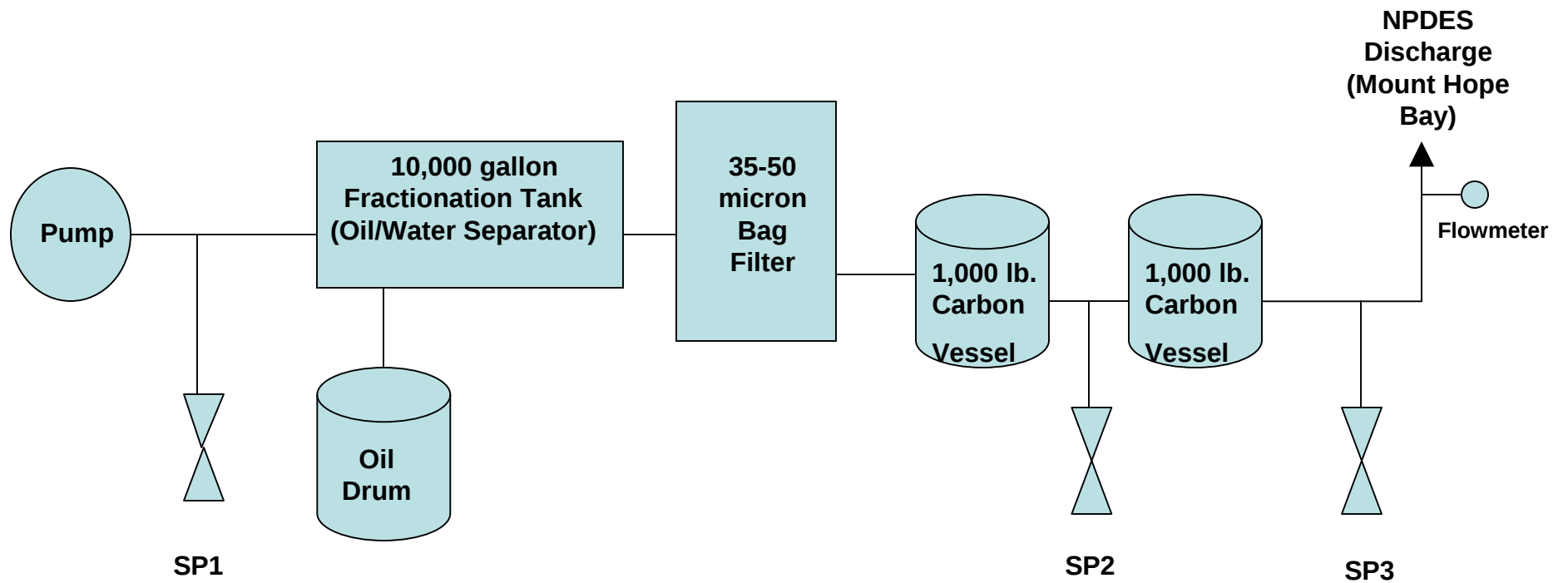
FIGURE 2

RESOURCE AREA MAP



0 1,000 2,000
Feet

Figure 3
Treatment System Schematic Diagram



ANALYTICAL DATA

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

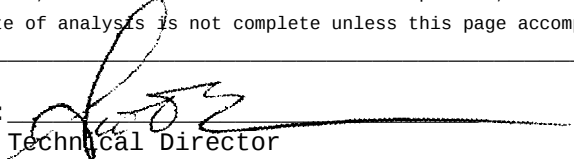
MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: TRC Environmental Corporation **Laboratory Job Number:** L0607419
Address: Boott Mills South
116 John Street
Lowell, MA 01852 **Date Received:** 25-MAY-2006
Attn: Ms. Dorothy McGlinchy **Date Reported:** 02-JUN-2006
Project Number: **Delivery Method:** Client
Site: BRAYTON POINT

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0607419-01	TP-3-4-W	SOMERSET, MA
L0607419-03	MW-701	SOMERSET, MA

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: 
Technical Director

**ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT**

Laboratory Job Number: L0607419

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Metals

The laboratory duplicate RPD for Selenium is valid because the sample and duplicate results are less than 5x the element's RL.

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0607419-01

Date Collected: 25-MAY-2006 10:00

TP-3-4-W

Date Received : 25-MAY-2006

Sample Matrix: WATER

Date Reported : 02-JUN-2006

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 8-Amber,4-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total Suspended	63	mg/l	5.0	4 160.2		0526 12:45	DT
Cyanide, Total	ND	mg/l	0.005	4 335.2	0527 10:30	0530 22:08	DD
Chlorine, Total Residual	ND	mg/l	0.05	4 330.1		0525 18:35	DP
TPH	ND	mg/l	4.40	74 1664A	0526 11:00	0530 08:45	AT
Phenolics, Total	ND	mg/l	0.03	4 420.1		0530 09:30	AT
Chromium, Hexavalent	ND	mg/l	0.01	30 3500CR-D	0525 20:30	0525 20:30	AI
Total Metals							
Antimony, Total	ND	mg/l	0.0005	1 6020	0526 16:45	0530 22:30	BM
Arsenic, Total	0.004	mg/l	0.0005	1 6020	0526 16:45	0530 22:30	BM
Cadmium, Total	0.0031	mg/l	0.0002	1 6020	0526 16:45	0530 22:30	BM
Chromium, Total	0.0009	mg/l	0.0005	1 6020	0526 16:45	0530 22:30	BM
Copper, Total	0.1942	mg/l	0.0005	1 6020	0526 16:45	0530 22:30	BM
Lead, Total	0.0018	mg/l	0.0005	1 6020	0526 16:45	0530 22:30	BM
Mercury, Total	ND	mg/l	0.0002	4 245.2	0526 16:05	0530 10:42	DM
Nickel, Total	0.0330	mg/l	0.0005	1 6020	0526 16:45	0530 22:30	BM
Selenium, Total	0.001	mg/l	0.001	1 6020	0526 16:45	0530 22:30	BM
Silver, Total	ND	mg/l	0.0005	1 6020	0526 16:45	0530 22:30	BM
Zinc, Total	0.2648	mg/l	0.0050	1 6020	0526 16:45	0530 22:30	BM
Volatile Organics by GC/MS 624				5 624		0530 11:27	MM
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Tetrachloroethene	ND	ug/l	1.5				
Chlorobenzene	ND	ug/l	3.5				
Trichlorofluoromethane	ND	ug/l	5.0				
1,2-Dichloroethane	ND	ug/l	1.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0607419-01
TP-3-4-W

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 624 cont'd				5 624	0530 11:27 MM	
1,1,1-Trichloroethane	ND	ug/l	2.0			
Bromodichloromethane	ND	ug/l	1.0			
trans-1,3-Dichloropropene	ND	ug/l	1.5			
cis-1,3-Dichloropropene	ND	ug/l	1.5			
Bromoform	ND	ug/l	1.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0			
Benzene	ND	ug/l	1.0			
Toluene	ND	ug/l	1.0			
Ethylbenzene	ND	ug/l	1.0			
Chloromethane	ND	ug/l	10.			
Bromomethane	ND	ug/l	5.0			
Vinyl chloride	ND	ug/l	2.0			
Chloroethane	ND	ug/l	2.0			
1,1-Dichloroethene	ND	ug/l	1.0			
trans-1,2-Dichloroethene	ND	ug/l	1.5			
cis-1,2-Dichloroethene	ND	ug/l	1.0			
Trichloroethene	ND	ug/l	1.0			
1,2-Dichlorobenzene	ND	ug/l	5.0			
1,3-Dichlorobenzene	ND	ug/l	5.0			
1,4-Dichlorobenzene	ND	ug/l	5.0			
p/m-Xylene	ND	ug/l	2.0			
o-xylene	ND	ug/l	1.0			
Xylene (Total)	ND	ug/l	2.0			
Styrene	ND	ug/l	1.0			
Acetone	ND	ug/l	10.			
Carbon disulfide	ND	ug/l	5.0			
2-Butanone	ND	ug/l	10.			
Vinyl acetate	ND	ug/l	20.			
4-Methyl-2-pentanone	ND	ug/l	10.			
2-Hexanone	ND	ug/l	10.			
Acrolein	ND	ug/l	8.0			
Acrylonitrile	ND	ug/l	10.			
Methyl tert butyl ether	ND	ug/l	20.			
1,4-Dioxane	ND	ug/l	2000			
Tert-Butyl Alcohol	ND	ug/l	100			
Tertiary-Amyl Methyl Ether	ND	ug/l	20.			
Surrogate(s)	Recovery		QC Criteria			
Pentafluorobenzene	101	%	80-120			
Fluorobenzene	100	%	80-120			
4-Bromofluorobenzene	101	%	80-120			
SVOC's by GC/MS 8270				1 8270C	0530 10:15 0530 20:03 RL	
Acenaphthene	ND	ug/l	4.8			
Benzidine	ND	ug/l	48.			
1,2,4-Trichlorobenzene	ND	ug/l	4.8			
Hexachlorobenzene	ND	ug/l	4.8			
Bis(2-chloroethyl)ether	ND	ug/l	4.8			
1-Chloronaphthalene	ND	ug/l	4.8			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0607419-01
TP-3-4-W

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0530 10:15	0530 20:03 RL
2-Chloronaphthalene	ND	ug/l	5.7				
1,2-Dichlorobenzene	ND	ug/l	4.8				
1,3-Dichlorobenzene	ND	ug/l	4.8				
1,4-Dichlorobenzene	ND	ug/l	4.8				
3,3'-Dichlorobenzidine	ND	ug/l	48.				
2,4-Dinitrotoluene	ND	ug/l	5.7				
2,6-Dinitrotoluene	ND	ug/l	4.8				
Azobenzene	ND	ug/l	4.8				
Fluoranthene	ND	ug/l	4.8				
4-Chlorophenyl phenyl ether	ND	ug/l	4.8				
4-Bromophenyl phenyl ether	ND	ug/l	4.8				
Bis(2-chloroisopropyl)ether	ND	ug/l	4.8				
Bis(2-chloroethoxy)methane	ND	ug/l	4.8				
Hexachlorobutadiene	ND	ug/l	9.6				
Hexachlorocyclopentadiene	ND	ug/l	9.6				
Hexachloroethane	ND	ug/l	4.8				
Isophorone	ND	ug/l	4.8				
Naphthalene	ND	ug/l	4.8				
Nitrobenzene	ND	ug/l	4.8				
NDPA/DPA	ND	ug/l	14.				
n-Nitrosodi-n-propylamine	ND	ug/l	4.8				
Bis(2-ethylhexyl)phthalate	ND	ug/l	9.6				
Butyl benzyl phthalate	ND	ug/l	4.8				
Di-n-butylphthalate	ND	ug/l	4.8				
Di-n-octylphthalate	ND	ug/l	4.8				
Diethyl phthalate	ND	ug/l	4.8				
Dimethyl phthalate	ND	ug/l	4.8				
Benzo(a)anthracene	ND	ug/l	4.8				
Benzo(a)pyrene	ND	ug/l	4.8				
Benzo(b)fluoranthene	ND	ug/l	4.8				
Benzo(k)fluoranthene	ND	ug/l	4.8				
Chrysene	ND	ug/l	4.8				
Acenaphthylene	ND	ug/l	4.8				
Anthracene	ND	ug/l	4.8				
Benzo(ghi)perylene	ND	ug/l	4.8				
Fluorene	ND	ug/l	4.8				
Phenanthrene	ND	ug/l	4.8				
Dibenzo(a,h)anthracene	ND	ug/l	4.8				
Indeno(1,2,3-cd)pyrene	ND	ug/l	6.7				
Pyrene	ND	ug/l	4.8				
Benzo(e)pyrene	ND	ug/l	4.8				
Biphenyl	ND	ug/l	4.8				
Perylene	ND	ug/l	4.8				
Aniline	ND	ug/l	9.6				
4-Chloroaniline	ND	ug/l	4.8				
1-Methylnaphthalene	ND	ug/l	4.8				
2-Nitroaniline	ND	ug/l	4.8				
3-Nitroaniline	ND	ug/l	4.8				
4-Nitroaniline	ND	ug/l	6.7				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0607419-01
TP-3-4-W

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0530 10:15 0530 20:03	RL
Dibenzofuran	ND	ug/l	4.8				
a,a-Dimethylphenethylamine	ND	ug/l	48.				
Hexachloropropene	ND	ug/l	9.6				
Nitrosodi-n-butylamine	ND	ug/l	9.6				
2-Methylnaphthalene	ND	ug/l	4.8				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	19.				
Pentachlorobenzene	ND	ug/l	19.				
a-Naphthylamine	ND	ug/l	19.				
b-Naphthylamine	ND	ug/l	19.				
Phenacetin	ND	ug/l	9.6				
Dimethoate	ND	ug/l	19.				
4-Aminobiphenyl	ND	ug/l	9.6				
Pentachloronitrobenzene	ND	ug/l	9.6				
Isodrin	ND	ug/l	9.6				
p-Dimethylaminoazobenzene	ND	ug/l	9.6				
Chlorobenzilate	ND	ug/l	19.				
3-Methylcholanthrene	ND	ug/l	19.				
Ethyl Methanesulfonate	ND	ug/l	14.				
Acetophenone	ND	ug/l	19.				
Nitrosodipiperidine	ND	ug/l	19.				
7,12-Dimethylbenz(a)anthracene	ND	ug/l	9.6				
n-Nitrosodimethylamine	ND	ug/l	48.				
2,4,6-Trichlorophenol	ND	ug/l	4.8				
p-Chloro-m-cresol	ND	ug/l	4.8				
2-Chlorophenol	ND	ug/l	5.7				
2,4-Dichlorophenol	ND	ug/l	9.6				
2,4-Dimethylphenol	ND	ug/l	9.6				
2-Nitrophenol	ND	ug/l	19.				
4-Nitrophenol	ND	ug/l	9.6				
2,4-Dinitrophenol	ND	ug/l	19.				
4,6-Dinitro-o-cresol	ND	ug/l	19.				
Pentachlorophenol	ND	ug/l	19.				
Phenol	ND	ug/l	6.7				
2-Methylphenol	ND	ug/l	5.7				
3-Methylphenol/4-Methylphenol	ND	ug/l	5.7				
2,4,5-Trichlorophenol	ND	ug/l	4.8				
2,6-Dichlorophenol	ND	ug/l	9.6				
Benzoic Acid	ND	ug/l	48.				
Benzyl Alcohol	ND	ug/l	9.6				
Carbazole	ND	ug/l	4.8				
Pyridine	ND	ug/l	48.				
2-Picoline	ND	ug/l	19.				
Pronamide	ND	ug/l	19.				
Methyl methanesulfonate	ND	ug/l	19.				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	50.0	%	21-120				
Phenol-d6	41.0	%	10-120				
Nitrobenzene-d5	84.0	%	23-120				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0607419-01
TP-3-4-W

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0530 10:15 0530 20:03	RL
2-Fluorobiphenyl	81.0	%	43-120				
2,4,6-Tribromophenol	94.0	%	10-120				
4-Terphenyl-d14	87.0	%	33-120				
PAH by GC/MS SIM 8270M				1	8270C-M	0530 10:15 0530 20:21	RL
Acenaphthene	ND	ug/l	0.19				
2-Chloronaphthalene	ND	ug/l	0.19				
Fluoranthene	ND	ug/l	0.19				
Hexachlorobutadiene	ND	ug/l	0.48				
Naphthalene	ND	ug/l	0.19				
Benzo(a)anthracene	ND	ug/l	0.19				
Benzo(a)pyrene	ND	ug/l	0.19				
Benzo(b)fluoranthene	ND	ug/l	0.19				
Benzo(k)fluoranthene	ND	ug/l	0.19				
Chrysene	ND	ug/l	0.19				
Acenaphthylene	ND	ug/l	0.19				
Anthracene	ND	ug/l	0.19				
Benzo(ghi)perylene	ND	ug/l	0.19				
Fluorene	ND	ug/l	0.19				
Phenanthrene	ND	ug/l	0.19				
Dibenzo(a,h)anthracene	ND	ug/l	0.19				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.19				
Pyrene	ND	ug/l	0.19				
1-Methylnaphthalene	ND	ug/l	0.19				
2-Methylnaphthalene	ND	ug/l	0.19				
Pentachlorophenol	ND	ug/l	0.76				
Hexachlorobenzene	ND	ug/l	0.76				
Perylene	ND	ug/l	0.19				
Biphenyl	ND	ug/l	0.19				
2,6-Dimethylnaphthalene	ND	ug/l	0.19				
1-Methylphenanthrene	ND	ug/l	0.19				
Benzo(e)Pyrene	ND	ug/l	0.19				
Hexachloroethane	ND	ug/l	0.76				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	59.0	%	21-120				
Phenol-d6	46.0	%	10-120				
Nitrobenzene-d5	76.0	%	23-120				
2-Fluorobiphenyl	69.0	%	43-120				
2,4,6-Tribromophenol	74.0	%	10-120				
4-Terphenyl-d14	57.0	%	33-120				

Comments: Complete list of References and Glossary of Terms found in Addendum I

**ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS**

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0607419-03

Date Collected: 25-MAY-2006 13:45

MW-701

Date Received : 25-MAY-2006

Sample Matrix: WATER

Date Reported : 02-JUN-2006

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 8-Amber,4-Plastic,4-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total Suspended	ND	mg/l	5.0	4 160.2		0526 12:45	DT
Cyanide, Total	ND	mg/l	0.005	4 335.2	0527 10:30	0530 22:09	DD
Chlorine, Total Residual	ND	mg/l	0.05	4 330.1		0525 18:35	DP
TPH	ND	mg/l	4.00	74 1664A	0526 11:00	0530 08:45	AT
Phenolics, Total	ND	mg/l	0.03	4 420.1		0530 09:30	AT
Chromium, Hexavalent	ND	mg/l	0.01	30 3500CR-D	0525 20:30	0525 20:30	AI
Total Metals							
Antimony, Total	ND	mg/l	0.0005	1 6020	0526 16:45	0530 22:46	BM
Arsenic, Total	0.0168	mg/l	0.0005	1 6020	0526 16:45	0530 22:46	BM
Cadmium, Total	ND	mg/l	0.0002	1 6020	0526 16:45	0530 22:46	BM
Chromium, Total	ND	mg/l	0.0005	1 6020	0526 16:45	0530 22:46	BM
Copper, Total	ND	mg/l	0.0005	1 6020	0526 16:45	0530 22:46	BM
Lead, Total	ND	mg/l	0.0005	1 6020	0526 16:45	0530 22:46	BM
Mercury, Total	ND	mg/l	0.0002	4 245.2	0526 16:05	0530 10:44	DM
Nickel, Total	0.0057	mg/l	0.0005	1 6020	0526 16:45	0530 22:46	BM
Selenium, Total	ND	mg/l	0.001	1 6020	0526 16:45	0530 22:46	BM
Silver, Total	ND	mg/l	0.0005	1 6020	0526 16:45	0530 22:46	BM
Zinc, Total	ND	mg/l	0.0050	1 6020	0526 16:45	0530 22:46	BM
Pesticides by GC 504				14 504.1	0601 14:15	0601 18:41	JB
1,2-Dibromoethane	ND	ug/l	0.020				
Volatile Organics by GC/MS 624				5 624		0530 12:03	MM
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Tetrachloroethene	2.8	ug/l	1.5				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0607419-03
MW-701

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Volatile Organics by GC/MS 624 cont'd				5 624	0530 12:03 MM	
Chlorobenzene	ND	ug/l	3.5			
Trichlorofluoromethane	ND	ug/l	5.0			
1,2-Dichloroethane	ND	ug/l	1.5			
1,1,1-Trichloroethane	ND	ug/l	2.0			
Bromodichloromethane	ND	ug/l	1.0			
trans-1,3-Dichloropropene	ND	ug/l	1.5			
cis-1,3-Dichloropropene	ND	ug/l	1.5			
Bromoform	ND	ug/l	1.0			
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0			
Benzene	ND	ug/l	1.0			
Toluene	ND	ug/l	1.0			
Ethylbenzene	ND	ug/l	1.0			
Chloromethane	ND	ug/l	10.			
Bromomethane	ND	ug/l	5.0			
Vinyl chloride	ND	ug/l	2.0			
Chloroethane	ND	ug/l	2.0			
1,1-Dichloroethene	ND	ug/l	1.0			
trans-1,2-Dichloroethene	ND	ug/l	1.5			
cis-1,2-Dichloroethene	ND	ug/l	1.0			
Trichloroethene	ND	ug/l	1.0			
1,2-Dichlorobenzene	ND	ug/l	5.0			
1,3-Dichlorobenzene	ND	ug/l	5.0			
1,4-Dichlorobenzene	ND	ug/l	5.0			
p/m-Xylene	ND	ug/l	2.0			
o-xylene	ND	ug/l	1.0			
Xylene (Total)	ND	ug/l	2.0			
Styrene	ND	ug/l	1.0			
Acetone	ND	ug/l	10.			
Carbon disulfide	ND	ug/l	5.0			
2-Butanone	ND	ug/l	10.			
Vinyl acetate	ND	ug/l	20.			
4-Methyl-2-pentanone	ND	ug/l	10.			
2-Hexanone	ND	ug/l	10.			
Acrolein	ND	ug/l	8.0			
Acrylonitrile	ND	ug/l	10.			
Methyl tert butyl ether	ND	ug/l	20.			
1,4-Dioxane	ND	ug/l	2000			
Tert-Butyl Alcohol	ND	ug/l	100			
Tertiary-Amyl Methyl Ether	ND	ug/l	20.			
Surrogate(s)	Recovery		QC Criteria			
Pentafluorobenzene	95.0	%	80-120			
Fluorobenzene	95.0	%	80-120			
4-Bromofluorobenzene	96.0	%	80-120			
SVOC's by GC/MS 8270				1 8270C	0530 10:15 0530 20:29 RL	
Acenaphthene	ND	ug/l	4.9			
Benzidine	ND	ug/l	49.			
1,2,4-Trichlorobenzene	ND	ug/l	4.9			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0607419-03
MW-701

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0530 10:15	0530 20:29 RL
Hexachlorobenzene	ND	ug/l	4.9				
Bis(2-chloroethyl)ether	ND	ug/l	4.9				
1-Chloronaphthalene	ND	ug/l	4.9				
2-Chloronaphthalene	ND	ug/l	5.9				
1,2-Dichlorobenzene	ND	ug/l	4.9				
1,3-Dichlorobenzene	ND	ug/l	4.9				
1,4-Dichlorobenzene	ND	ug/l	4.9				
3,3'-Dichlorobenzidine	ND	ug/l	49.				
2,4-Dinitrotoluene	ND	ug/l	5.9				
2,6-Dinitrotoluene	ND	ug/l	4.9				
Azobenzene	ND	ug/l	4.9				
Fluoranthene	ND	ug/l	4.9				
4-Chlorophenyl phenyl ether	ND	ug/l	4.9				
4-Bromophenyl phenyl ether	ND	ug/l	4.9				
Bis(2-chloroisopropyl)ether	ND	ug/l	4.9				
Bis(2-chloroethoxy)methane	ND	ug/l	4.9				
Hexachlorobutadiene	ND	ug/l	9.9				
Hexachlorocyclopentadiene	ND	ug/l	9.9				
Hexachloroethane	ND	ug/l	4.9				
Isophorone	ND	ug/l	4.9				
Naphthalene	5.3	ug/l	4.9				
Nitrobenzene	ND	ug/l	4.9				
NDPA/DPA	ND	ug/l	15.				
n-Nitrosodi-n-propylamine	ND	ug/l	4.9				
Bis(2-ethylhexyl)phthalate	ND	ug/l	9.9				
Butyl benzyl phthalate	ND	ug/l	4.9				
Di-n-butylphthalate	ND	ug/l	4.9				
Di-n-octylphthalate	ND	ug/l	4.9				
Diethyl phthalate	ND	ug/l	4.9				
Dimethyl phthalate	ND	ug/l	4.9				
Benzo(a)anthracene	ND	ug/l	4.9				
Benzo(a)pyrene	ND	ug/l	4.9				
Benzo(b)fluoranthene	ND	ug/l	4.9				
Benzo(k)fluoranthene	ND	ug/l	4.9				
Chrysene	ND	ug/l	4.9				
Acenaphthylene	ND	ug/l	4.9				
Anthracene	ND	ug/l	4.9				
Benzo(ghi)perylene	ND	ug/l	4.9				
Fluorene	ND	ug/l	4.9				
Phenanthrene	ND	ug/l	4.9				
Dibenzo(a,h)anthracene	ND	ug/l	4.9				
Indeno(1,2,3-cd)pyrene	ND	ug/l	6.9				
Pyrene	ND	ug/l	4.9				
Benzo(e)pyrene	ND	ug/l	4.9				
Biphenyl	6.6	ug/l	4.9				
Perylene	ND	ug/l	4.9				
Aniline	ND	ug/l	9.9				
4-Chloroaniline	ND	ug/l	4.9				
1-Methylnaphthalene	26	ug/l	4.9				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0607419-03
MW-701

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
SVOC's by GC/MS 8270 cont'd				1	8270C	0530 10:15	0530 20:29 RL
2-Nitroaniline	ND	ug/l	4.9				
3-Nitroaniline	ND	ug/l	4.9				
4-Nitroaniline	ND	ug/l	6.9				
Dibenzofuran	ND	ug/l	4.9				
a,a-Dimethylphenethylamine	ND	ug/l	49.				
Hexachloropropene	ND	ug/l	9.9				
Nitrosodi-n-butylamine	ND	ug/l	9.9				
2-Methylnaphthalene	34	ug/l	4.9				
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.				
Pentachlorobenzene	ND	ug/l	20.				
a-Naphthylamine	ND	ug/l	20.				
b-Naphthylamine	ND	ug/l	20.				
Phenacetin	ND	ug/l	9.9				
Dimethoate	ND	ug/l	20.				
4-Aminobiphenyl	ND	ug/l	9.9				
Pentachloronitrobenzene	ND	ug/l	9.9				
Isodrin	ND	ug/l	9.9				
p-Dimethylaminoazobenzene	ND	ug/l	9.9				
Chlorobenzilate	ND	ug/l	20.				
3-Methylcholanthrene	ND	ug/l	20.				
Ethyl Methanesulfonate	ND	ug/l	15.				
Acetophenone	ND	ug/l	20.				
Nitrosodipiperidine	ND	ug/l	20.				
7,12-Dimethylbenz(a)anthracene	ND	ug/l	9.9				
n-Nitrosodimethylamine	ND	ug/l	49.				
2,4,6-Trichlorophenol	ND	ug/l	4.9				
p-Chloro-m-cresol	ND	ug/l	4.9				
2-Chlorophenol	ND	ug/l	5.9				
2,4-Dichlorophenol	ND	ug/l	9.9				
2,4-Dimethylphenol	ND	ug/l	9.9				
2-Nitrophenol	ND	ug/l	20.				
4-Nitrophenol	ND	ug/l	9.9				
2,4-Dinitrophenol	ND	ug/l	20.				
4,6-Dinitro-o-cresol	ND	ug/l	20.				
Pentachlorophenol	ND	ug/l	20.				
Phenol	ND	ug/l	6.9				
2-Methylphenol	ND	ug/l	5.9				
3-Methylphenol/4-Methylphenol	ND	ug/l	5.9				
2,4,5-Trichlorophenol	ND	ug/l	4.9				
2,6-Dichlorophenol	ND	ug/l	9.9				
Benzoic Acid	ND	ug/l	49.				
Benzyl Alcohol	ND	ug/l	9.9				
Carbazole	ND	ug/l	4.9				
Pyridine	ND	ug/l	49.				
2-Picoline	ND	ug/l	20.				
Pronamide	ND	ug/l	20.				
Methyl methanesulfonate	ND	ug/l	20.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0607419-03
MW-701

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
SVOC's by GC/MS 8270 cont'd				1 8270C	0530 10:15 0530 20:29	RL
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	24.0	%	21-120			
Phenol-d6	26.0	%	10-120			
Nitrobenzene-d5	60.0	%	23-120			
2-Fluorobiphenyl	63.0	%	43-120			
2,4,6-Tribromophenol	75.0	%	10-120			
4-Terphenyl-d14	78.0	%	33-120			
PAH by GC/MS SIM 8270M				1 8270C-M	0530 10:15 0530 21:06	RL
Acenaphthene	2.0	ug/l	0.20			
2-Chloronaphthalene	ND	ug/l	0.20			
Fluoranthene	ND	ug/l	0.20			
Hexachlorobutadiene	ND	ug/l	0.49			
Naphthalene	5.4	ug/l	0.20			
Benzo(a)anthracene	ND	ug/l	0.20			
Benzo(a)pyrene	ND	ug/l	0.20			
Benzo(b)fluoranthene	ND	ug/l	0.20			
Benzo(k)fluoranthene	ND	ug/l	0.20			
Chrysene	ND	ug/l	0.20			
Acenaphthylene	0.63	ug/l	0.20			
Anthracene	ND	ug/l	0.20			
Benzo(ghi)perylene	ND	ug/l	0.20			
Fluorene	2.9	ug/l	0.20			
Phenanthrene	2.0	ug/l	0.20			
Dibenzo(a,h)anthracene	ND	ug/l	0.20			
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20			
Pyrene	ND	ug/l	0.20			
1-Methylnaphthalene	23	ug/l	0.20			
2-Methylnaphthalene	32	ug/l	0.20			
Pentachlorophenol	ND	ug/l	0.79			
Hexachlorobenzene	ND	ug/l	0.79			
Perylene	ND	ug/l	0.20			
Biphenyl	6.0	ug/l	0.20			
2,6-Dimethylnaphthalene	24	ug/l	0.20			
1-Methylphenanthrene	0.37	ug/l	0.20			
Benzo(e)Pyrene	ND	ug/l	0.20			
Hexachloroethane	ND	ug/l	0.79			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	30.0	%	21-120			
Phenol-d6	28.0	%	10-120			
Nitrobenzene-d5	56.0	%	23-120			
2-Fluorobiphenyl	57.0	%	43-120			
2,4,6-Tribromophenol	59.0	%	10-120			
4-Terphenyl-d14	50.0	%	33-120			

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0607419

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Solids, Total Suspended for sample(s) 01,03 (L0607416-02, WG240797-2)					
Solids, Total Suspended	5800	5700	mg/l	2	20
Cyanide, Total for sample(s) 01,03 (L0607419-03, WG240956-4)					
Cyanide, Total	ND	ND	mg/l	NC	30
Chlorine, Total Residual for sample(s) 01,03 (L0607419-03, WG240905-3)					
Chlorine, Total Residual	ND	ND	mg/l	NC	
TPH for sample(s) 01,03 (L0607419-01, WG240852-4)					
TPH	ND	ND	mg/l	NC	34
Phenolics, Total for sample(s) 01,03 (L0607419-01, WG240991-4)					
Phenolics, Total	ND	ND	mg/l	NC	
Chromium, Hexavalent for sample(s) 01,03 (L0607419-03, WG240924-4)					
Chromium, Hexavalent	ND	ND	mg/l	NC	
Total Metals for sample(s) 01,03 (L0607419-01, WG240916-1)					
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	0.004	0.0039	mg/l	2	20
Cadmium, Total	0.0031	0.0031	mg/l	1	20
Chromium, Total	0.0009	0.0008	mg/l	2	20
Copper, Total	0.1942	0.1943	mg/l	0	20
Lead, Total	0.0018	0.0017	mg/l	5	20
Nickel, Total	0.0330	0.0329	mg/l	0	20
Selenium, Total	0.001	0.002	mg/l	26	20
Silver, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.2648	0.2636	mg/l	0	20
Total Metals for sample(s) 01,03 (L0607335-01, WG240891-3)					
Mercury, Total	ND	ND	mg/l	NC	
Volatile Organics by GC/MS 624 for sample(s) 01,03 (L0607327-03, WG240999-2)					
Methylene chloride	ND	ND	ug/l	NC	30
1,1-Dichloroethane	ND	ND	ug/l	NC	30
Chloroform	ND	ND	ug/l	NC	30
Carbon tetrachloride	ND	ND	ug/l	NC	30
1,2-Dichloropropane	ND	ND	ug/l	NC	30
Dibromochloromethane	ND	ND	ug/l	NC	30
1,1,2-Trichloroethane	ND	ND	ug/l	NC	30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC	30
Tetrachloroethene	ND	ND	ug/l	NC	30
Chlorobenzene	ND	ND	ug/l	NC	30
Trichlorofluoromethane	ND	ND	ug/l	NC	30
1,2-Dichloroethane	ND	ND	ug/l	NC	30
1,1,1-Trichloroethane	ND	ND	ug/l	NC	30
Bromodichloromethane	ND	ND	ug/l	NC	30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC	30

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0607419

Continued

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Volatile Organics by GC/MS 624 for sample(s) 01,03 (L0607327-03, WG240999-2)					
cis-1,3-Dichloropropene	ND	ND	ug/l	NC	30
Bromoform	ND	ND	ug/l	NC	30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC	30
Benzene	ND	ND	ug/l	NC	30
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	ND	ND	ug/l	NC	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30
p/m-Xylene	ND	ND	ug/l	NC	30
o-Xylene	ND	ND	ug/l	NC	30
XYLENE (TOTAL)	ND	ND	ug/l	NC	30
Styrene	ND	ND	ug/l	NC	30
Acetone	ND	ND	ug/l	NC	30
Carbon disulfide	ND	ND	ug/l	NC	30
2-Butanone	ND	ND	ug/l	NC	30
Vinyl acetate	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone	ND	ND	ug/l	NC	30
2-Hexanone	ND	ND	ug/l	NC	30
Acrolein	ND	ND	ug/l	NC	30
Acrylonitrile	ND	ND	ug/l	NC	30
Surrogate(s)	Recovery				QC Criteria
Pentafluorobenzene	99.0	100	%		80-120
Fluorobenzene	104	104	%		80-120
4-Bromofluorobenzene	98.0	98.0	%		80-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0607419

Parameter	% Recovery	QC Criteria
Cyanide, Total LCS for sample(s) 01,03 (WG240956-2)		
Cyanide, Total	107	90-110
Chlorine, Total Residual LCS for sample(s) 01,03 (WG240905-2)		
Chlorine, Total Residual	100	
TPH LCS for sample(s) 01,03 (WG240852-2)		
TPH	85	64-132
Phenolics, Total LCS for sample(s) 01,03 (WG240991-2)		
Phenolics, Total	90	
Chromium, Hexavalent LCS for sample(s) 01,03 (WG240924-2)		
Chromium, Hexavalent	102	
Total Metals LCS for sample(s) 01,03 (WG240916-4)		
Antimony, Total	103	80-120
Arsenic, Total	103	80-120
Cadmium, Total	106	80-120
Chromium, Total	110	80-120
Copper, Total	109	80-120
Lead, Total	109	80-120
Nickel, Total	112	80-120
Selenium, Total	101	80-120
Silver, Total	104	80-120
Zinc, Total	110	80-120
Total Metals LCS for sample(s) 01,03 (WG240891-1)		
Mercury, Total	102	
Pesticides by GC 504 LCS for sample(s) 03 (WG241437-2)		
1,2-Dibromoethane	92	
1,2-Dibromo-3-chloropropane	90	
Volatile Organics by GC/MS 624 LCS for sample(s) 01,03 (WG240999-7)		
Methylene chloride	93	10-221
1,1-Dichloroethane	92	59-155
Chloroform	96	51-138
Carbon tetrachloride	126	70-140
1,2-Dichloropropane	95	10-210
Dibromochloromethane	107	53-149
1,1,2-Trichloroethane	90	52-150
2-Chloroethylvinyl ether	93	10-305
Tetrachloroethene	94	64-148
Chlorobenzene	99	37-160
Trichlorofluoromethane	105	17-181
1,2-Dichloroethane	98	49-155
1,1,1-Trichloroethane	105	52-162
Bromodichloromethane	99	35-155

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0607419

Continued

Parameter	% Recovery	QC Criteria
Volatile Organics by GC/MS 624 LCS for sample(s) 01,03 (WG240999-7)		
trans-1,3-Dichloropropene	95	17-183
cis-1,3-Dichloropropene	101	10-227
Bromoform	123	45-169
1,1,2,2-Tetrachloroethane	100	46-157
Benzene	99	37-151
Toluene	97	47-150
Ethylbenzene	107	37-162
Chloromethane	81	10-273
Bromomethane	109	10-242
Vinyl chloride	108	10-251
Chloroethane	101	14-230
1,1-Dichloroethene	99	10-234
trans-1,2-Dichloroethene	96	54-156
cis-1,2-Dichloroethene	97	60-140
Trichloroethene	95	71-157
1,2-Dichlorobenzene	101	18-190
1,3-Dichlorobenzene	102	59-156
1,4-Dichlorobenzene	103	18-190
p/m-Xylene	106	40-160
o-Xylene	104	40-160
XYLENE (TOTAL)	105	40-160
Styrene	115	40-160
Acetone	93	40-160
Carbon disulfide	105	40-160
2-Butanone	82	40-160
Vinyl acetate	88	40-160
4-Methyl-2-pentanone	86	40-160
2-Hexanone	78	40-160
Acrolein	89	40-160
Acrylonitrile	95	40-160
Surrogate(s)		
Pentafluorobenzene	103	80-120
Fluorobenzene	105	80-120
4-Bromofluorobenzene	102	80-120
SVOC's by GC/MS 8270 LCS for sample(s) 01,03 (WG241014-2)		
Acenaphthene	81	46-118
1,2,4-Trichlorobenzene	77	39-98
2-Chloronaphthalene	82	40-140
1,2-Dichlorobenzene	68	40-140
1,4-Dichlorobenzene	67	36-97
2,4-Dinitrotoluene	85	24-96
2,6-Dinitrotoluene	90	40-140
Fluoranthene	89	40-140
4-Chlorophenyl phenyl ether	89	40-140
n-Nitrosodi-n-propylamine	53	41-116
Butyl benzyl phthalate	87	40-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0607419

Continued

Parameter	% Recovery	QC Criteria
SVOC's by GC/MS 8270 LCS for sample(s) 01,03 (WG241014-2)		
Anthracene	72	40-140
Pyrene	84	26-127
Hexachloropropene	69	40-140
P-Chloro-M-Cresol	80	23-97
2-Chlorophenol	64	27-123
2-Nitrophenol	72	30-130
4-Nitrophenol	40	10-80
2,4-Dinitrophenol	79	30-130
Pentachlorophenol	88	9-103
Phenol	30	12-110
Surrogate(s)		
2-Fluorophenol	42	21-120
Phenol-d6	37	10-120
Nitrobenzene-d5	69	23-120
2-Fluorobiphenyl	80	43-120
2,4,6-Tribromophenol	95	10-120
4-Terphenyl-d14	90	33-120
PAH by GC/MS SIM 8270M LCS for sample(s) 01,03 (WG241016-2)		
Acenaphthene	84	46-118
2-Chloronaphthalene	78	
Fluoranthene	100	
Anthracene	75	
Pyrene	99	26-127
Pentachlorophenol	67	9-103
Surrogate(s)		
2-Fluorophenol	56	21-120
Phenol-d6	51	10-120
Nitrobenzene-d5	97	23-120
2-Fluorobiphenyl	79	43-120
2,4,6-Tribromophenol	63	10-120
4-Terphenyl-d14	93	33-120
Cyanide, Total SPIKE for sample(s) 01,03 (L0607419-01, WG240956-3)		
Cyanide, Total	107	80-120
TPH SPIKE for sample(s) 01,03 (L0607419-03, WG240852-3)		
TPH	84	64-132
Phenolics, Total SPIKE for sample(s) 01,03 (L0607419-03, WG240991-3)		
Phenolics, Total	93	
Chromium, Hexavalent SPIKE for sample(s) 01,03 (L0607419-01, WG240924-3)		
Chromium, Hexavalent	67	

**ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES**

Laboratory Job Number: L0607419

Continued

Parameter	% Recovery	QC Criteria
Total Metals SPIKE for sample(s) 01,03 (L0607419-01, WG240916-2)		
Antimony, Total	100	80-120
Arsenic, Total	102	80-120
Cadmium, Total	102	80-120
Chromium, Total	109	80-120
Copper, Total	114	80-120
Lead, Total	108	80-120
Nickel, Total	110	80-120
Selenium, Total	100	80-120
Silver, Total	101	80-120
Zinc, Total	108	80-120
Total Metals SPIKE for sample(s) 01,03 (L0607335-01, WG240891-2)		
Mercury, Total	116	
Pesticides by GC 504 SPIKE for sample(s) 03 (L0607410-02, WG241437-3)		
1,2-Dibromoethane	98	
1,2-Dibromo-3-chloropropane	94	
Volatile Organics by GC/MS 624 SPIKE for sample(s) 01,03 (L0607327-03, WG240999-1)		
Methylene chloride	137	10-221
1,1-Dichloroethane	109	59-155
Chloroform	125	51-138
Carbon tetrachloride	124	70-140
1,2-Dichloropropane	121	10-210
Dibromochloromethane	111	53-149
1,1,2-Trichloroethane	109	52-150
2-Chloroethylvinyl ether	104	10-305
Tetrachloroethene	102	64-148
Chlorobenzene	90	37-160
Trichlorofluoromethane	138	17-181
1,2-Dichloroethane	128	49-155
1,1,1-Trichloroethane	109	52-162
Bromodichloromethane	106	35-155
trans-1,3-Dichloropropene	67	17-183
cis-1,3-Dichloropropene	80	10-227
Bromoform	99	45-169
1,1,2,2-Tetrachloroethane	103	46-157
Benzene	122	35-151
Toluene	110	47-150
Ethylbenzene	97	37-162
Chloromethane	124	10-273
Bromomethane	91	10-242
Vinyl chloride	152	10-251
Chloroethane	128	14-230
1,1-Dichloroethene	129	10-234
trans-1,2-Dichloroethene	132	54-156
cis-1,2-Dichloroethene	123	60-140
Trichloroethene	115	71-157

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0607419

Continued

Parameter	% Recovery	QC Criteria
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Volatile Organics by GC/MS 624 SPIKE for sample(s) 01,03 (L0607327-03, WG240999-1)

1,2-Dichlorobenzene	96	18-190
1,3-Dichlorobenzene	92	59-156
1,4-Dichlorobenzene	93	18-190
p/m-Xylene	95	40-160
o-Xylene	94	40-160
XYLENE (TOTAL)	95	40-160
Styrene	104	40-160
Acetone	142	40-160
Carbon disulfide	141	40-160
2-Butanone	118	40-160
Vinyl acetate	38	40-160
4-Methyl-2-pentanone	57	40-160
2-Hexanone	114	40-160
Acrolein	154	40-160
Acrylonitrile	148	40-160
Surrogate(s)		
Pentafluorobenzene	96	80-120
Fluorobenzene	99	80-120
4-Bromofluorobenzene	96	80-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0607419

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
SVOC's by GC/MS 8270 for sample(s) 01,03 (L0607419-01, WG241014-4)					
Acenaphthene	78	78	0	30	46-118
1,2,4-Trichlorobenzene	74	74	0	30	39-98
2-Chloronaphthalene	83	83	0	30	40-140
1,2-Dichlorobenzene	69	64	8	30	40-140
1,4-Dichlorobenzene	64	64	0	30	36-97
2,4-Dinitrotoluene	87	83	5	30	24-96
2,6-Dinitrotoluene	92	97	5	30	40-140
Fluoranthene	87	87	0	30	40-140
4-Chlorophenyl phenyl ether	87	87	0	30	40-140
n-Nitrosodi-n-propylamine	60	55	9	30	41-116
Butyl benzyl phthalate	83	83	0	30	40-140
Anthracene	69	69	0	30	40-140
Pyrene	83	83	0	30	26-127
Hexachloropropene	74	74	0	30	40-140
p-Chloro-M-Cresol	81	83	2	30	23-97
2-Chlorophenol	67	67	0	30	27-123
2-Nitrophenol	74	74	0	30	30-130
4-Nitrophenol	62	69	11	30	10-80
2,4-Dinitrophenol	81	81	0	30	30-130
Pentachlorophenol	90	90	0	30	9-103
Phenol	46	48	4	30	12-110
Surrogate(s)					
2-Fluorophenol	55	55	0		21-120
Phenol-d6	59	59	0		10-120
Nitrobenzene-d5	71	69	3		23-120
2-Fluorobiphenyl	81	82	1		43-120
2,4,6-Tribromophenol	91	91	0		10-120
4-Terphenyl-d14	88	88	0		33-120
PAH by GC/MS SIM 8270M for sample(s) 01,03 (L0607419-01, WG241016-4)					
Acenaphthene	55	51	8	40	46-118
2-Chloronaphthalene	78	69	12	40	
Fluoranthene	64	55	15	40	
Anthracene	55	46	18	40	
Pyrene	69	55	23	40	26-127
Pentachlorophenol	58	55	5	40	9-103
Surrogate(s)					
2-Fluorophenol	73	65	12		21-120
Phenol-d6	59	57	3		10-120
Nitrobenzene-d5	76	69	10		23-120
2-Fluorobiphenyl	72	63	13		43-120
2,4,6-Tribromophenol	76	68	11		10-120
4-Terphenyl-d14	59	50	17		33-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0607419

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01,03 (WG240797-1)						
Solids, Total Suspended	ND	mg/l	5.0	4 160.2	0526 12:45	DT
Blank Analysis for sample(s) 01,03 (WG240956-1)						
Cyanide, Total	ND	mg/l	0.005	4 335.2	0527 10:30 0530 21:51	DD
Blank Analysis for sample(s) 01,03 (WG240905-1)						
Chlorine, Total Residual	ND	mg/l	0.05	4 330.1	0525 18:35	DP
Blank Analysis for sample(s) 01,03 (WG240852-1)						
TPH	ND	mg/l	4.00	74 1664A	0526 11:00 0530 08:45	AT
Blank Analysis for sample(s) 01,03 (WG240991-1)						
Phenolics, Total	ND	mg/l	0.03	4 420.1	0530 09:30	AT
Blank Analysis for sample(s) 01,03 (WG240924-1)						
Chromium, Hexavalent	ND	mg/l	0.01	30 3500CR-D	0525 20:30 0525 20:30	AI
Blank Analysis for sample(s) 01,03 (WG240916-3)						
Total Metals						
Antimony, Total	ND	mg/l	0.0005	1 6020	0526 16:45 0530 22:02	BM
Arsenic, Total	ND	mg/l	0.0005	1 6020	0526 16:45 0530 22:02	BM
Cadmium, Total	ND	mg/l	0.0002	1 6020	0526 16:45 0530 22:02	BM
Chromium, Total	ND	mg/l	0.0005	1 6020	0526 16:45 0530 22:02	BM
Copper, Total	ND	mg/l	0.0005	1 6020	0526 16:45 0530 22:02	BM
Lead, Total	ND	mg/l	0.0005	1 6020	0526 16:45 0530 22:02	BM
Nickel, Total	ND	mg/l	0.0005	1 6020	0526 16:45 0530 22:02	BM
Selenium, Total	ND	mg/l	0.001	1 6020	0526 16:45 0530 22:02	BM
Silver, Total	ND	mg/l	0.0005	1 6020	0526 16:45 0530 22:02	BM
Zinc, Total	ND	mg/l	0.0050	1 6020	0526 16:45 0530 22:02	BM
Blank Analysis for sample(s) 01,03 (WG240891-4)						
Total Metals						
Mercury, Total	ND	mg/l	0.0002	4 245.2	0526 16:05 0530 10:06	DM
Blank Analysis for sample(s) 03 (WG241437-1)						
Pesticides by GC 504						
1,2-Dibromoethane	ND	ug/l	0.020	14 504.1	0601 14:15 0601 16:01	JB
1,2-Dibromo-3-chloropropane	ND	ug/l	0.020			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0607419

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Blank Analysis for sample(s) 01,03 (WG240999-8)							
Volatile Organics by GC/MS 624				5 624	0530 09:36 MM		
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
2-Chloroethylvinyl ether	ND	ug/l	10.				
Tetrachloroethene	ND	ug/l	1.5				
Chlorobenzene	ND	ug/l	3.5				
Trichlorofluoromethane	ND	ug/l	5.0				
1,2-Dichloroethane	ND	ug/l	1.5				
1,1,1-Trichloroethane	ND	ug/l	2.0				
Bromodichloromethane	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.5				
cis-1,3-Dichloropropene	ND	ug/l	1.5				
Bromoform	ND	ug/l	1.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Benzene	ND	ug/l	1.0				
Toluene	ND	ug/l	1.0				
Ethylbenzene	ND	ug/l	1.0				
Chloromethane	ND	ug/l	10.				
Bromomethane	ND	ug/l	5.0				
Vinyl chloride	ND	ug/l	2.0				
Chloroethane	ND	ug/l	2.0				
1,1-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.5				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
Trichloroethene	ND	ug/l	1.0				
1,2-Dichlorobenzene	ND	ug/l	5.0				
1,3-Dichlorobenzene	ND	ug/l	5.0				
1,4-Dichlorobenzene	ND	ug/l	5.0				
p/m-Xylene	ND	ug/l	2.0				
o-xylene	ND	ug/l	1.0				
Xylene (Total)	ND	ug/l	2.0				
Styrene	ND	ug/l	1.0				
Acetone	ND	ug/l	10.				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	20.				
4-Methyl-2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Acrolein	ND	ug/l	8.0				
Acrylonitrile	ND	ug/l	10.				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0607419

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01,03 (WG240999-8)						
Volatile Organics by GC/MS 624 cont'd				5 624	0530 09:36 MM	
Surrogate(s)	Recovery		QC Criteria			
Pentafluorobenzene	105	%	80-120			
Fluorobenzene	104	%	80-120			
4-Bromofluorobenzene	101	%	80-120			
Blank Analysis for sample(s) 01,03 (WG241014-1)						
SVOC's by GC/MS 8270				1 8270C	0530 10:15 0530 19:38 RL	
Acenaphthene	ND	ug/l	5.0			
Benzidine	ND	ug/l	50.			
1,2,4-Trichlorobenzene	ND	ug/l	5.0			
Hexachlorobenzene	ND	ug/l	5.0			
Bis(2-chloroethyl)ether	ND	ug/l	5.0			
1-Chloronaphthalene	ND	ug/l	5.0			
2-Chloronaphthalene	ND	ug/l	6.0			
1,2-Dichlorobenzene	ND	ug/l	5.0			
1,3-Dichlorobenzene	ND	ug/l	5.0			
1,4-Dichlorobenzene	ND	ug/l	5.0			
3,3'-Dichlorobenzidine	ND	ug/l	50.			
2,4-Dinitrotoluene	ND	ug/l	6.0			
2,6-Dinitrotoluene	ND	ug/l	5.0			
Azobenzene	ND	ug/l	5.0			
Fluoranthene	ND	ug/l	5.0			
4-Chlorophenyl phenyl ether	ND	ug/l	5.0			
4-Bromophenyl phenyl ether	ND	ug/l	5.0			
Bis(2-chloroisopropyl)ether	ND	ug/l	5.0			
Bis(2-chloroethoxy)methane	ND	ug/l	5.0			
Hexachlorobutadiene	ND	ug/l	10.			
Hexachlorocyclopentadiene	ND	ug/l	10.			
Hexachloroethane	ND	ug/l	5.0			
Isophorone	ND	ug/l	5.0			
Naphthalene	ND	ug/l	5.0			
Nitrobenzene	ND	ug/l	5.0			
NDPA/DPA	ND	ug/l	15.			
n-Nitrosodi-n-propylamine	ND	ug/l	5.0			
Bis(2-ethylhexyl)phthalate	ND	ug/l	10.			
Butyl benzyl phthalate	ND	ug/l	5.0			
Di-n-butylphthalate	ND	ug/l	5.0			
Di-n-octylphthalate	ND	ug/l	5.0			
Diethyl phthalate	ND	ug/l	5.0			
Dimethyl phthalate	ND	ug/l	5.0			
Benzo(a)anthracene	ND	ug/l	5.0			
Benzo(a)pyrene	ND	ug/l	5.0			
Benzo(b)fluoranthene	ND	ug/l	5.0			
Benzo(k)fluoranthene	ND	ug/l	5.0			
Chrysene	ND	ug/l	5.0			
Acenaphthylene	ND	ug/l	5.0			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0607419

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01,03 (WG241014-1)						
SVOC's by GC/MS 8270 cont'd				1 8270C	0530 10:15 0530 19:38 RL	
Anthracene	ND	ug/l	5.0			
Benzo(ghi)perylene	ND	ug/l	5.0			
Fluorene	ND	ug/l	5.0			
Phenanthrene	ND	ug/l	5.0			
Dibenzo(a,h)anthracene	ND	ug/l	5.0			
Indeno(1,2,3-cd)pyrene	ND	ug/l	7.0			
Pyrene	ND	ug/l	5.0			
Benzo(e)pyrene	ND	ug/l	5.0			
Biphenyl	ND	ug/l	5.0			
Perylene	ND	ug/l	5.0			
Aniline	ND	ug/l	10.			
4-Chloroaniline	ND	ug/l	5.0			
1-Methylnaphthalene	ND	ug/l	5.0			
2-Nitroaniline	ND	ug/l	5.0			
3-Nitroaniline	ND	ug/l	5.0			
4-Nitroaniline	ND	ug/l	7.0			
Dibenzofuran	ND	ug/l	5.0			
a,a-Dimethylphenethylamine	ND	ug/l	50.			
Hexachloropropene	ND	ug/l	10.			
Nitrosodi-n-butylamine	ND	ug/l	10.			
2-Methylnaphthalene	ND	ug/l	5.0			
1,2,4,5-Tetrachlorobenzene	ND	ug/l	20.			
Pentachlorobenzene	ND	ug/l	20.			
a-Naphthylamine	ND	ug/l	20.			
b-Naphthylamine	ND	ug/l	20.			
Phenacetin	ND	ug/l	10.			
Dimethoate	ND	ug/l	20.			
4-Aminobiphenyl	ND	ug/l	10.			
Pentachloronitrobenzene	ND	ug/l	10.			
Isodrin	ND	ug/l	10.			
p-Dimethylaminoazobenzene	ND	ug/l	10.			
Chlorobenzilate	ND	ug/l	20.			
3-Methylcholanthrene	ND	ug/l	20.			
Ethyl Methanesulfonate	ND	ug/l	15.			
Acetophenone	ND	ug/l	20.			
Nitrosodipiperidine	ND	ug/l	20.			
7,12-Dimethylbenz(a)anthracene	ND	ug/l	10.			
n-Nitrosodimethylamine	ND	ug/l	50.			
2,4,6-Trichlorophenol	ND	ug/l	5.0			
p-Chloro-m-cresol	ND	ug/l	5.0			
2-Chlorophenol	ND	ug/l	6.0			
2,4-Dichlorophenol	ND	ug/l	10.			
2,4-Dimethylphenol	ND	ug/l	10.			
2-Nitrophenol	ND	ug/l	20.			
4-Nitrophenol	ND	ug/l	10.			
2,4-Dinitrophenol	ND	ug/l	20.			

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0607419

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP ANAL	ID
Blank Analysis for sample(s) 01,03 (WG241014-1)						
SVOC's by GC/MS 8270 cont'd				1 8270C	0530 10:15 0530 19:38 RL	
4,6-Dinitro-o-cresol	ND	ug/l	20.			
Pentachlorophenol	ND	ug/l	20.			
Phenol	ND	ug/l	7.0			
2-Methylphenol	ND	ug/l	6.0			
3-Methylphenol/4-Methylphenol	ND	ug/l	6.0			
2,4,5-Trichlorophenol	ND	ug/l	5.0			
2,6-Dichlorophenol	ND	ug/l	10.			
Benzoic Acid	ND	ug/l	50.			
Benzyl Alcohol	ND	ug/l	10.			
Carbazole	ND	ug/l	5.0			
Pyridine	ND	ug/l	50.			
2-Picoline	ND	ug/l	20.			
Pronamide	ND	ug/l	20.			
Methyl methanesulfonate	ND	ug/l	20.			
Surrogate(s)	Recovery		QC Criteria			
2-Fluorophenol	48.0	%	21-120			
Phenol-d6	39.0	%	10-120			
Nitrobenzene-d5	78.0	%	23-120			
2-Fluorobiphenyl	75.0	%	43-120			
2,4,6-Tribromophenol	90.0	%	10-120			
4-Terphenyl-d14	90.0	%	33-120			
Blank Analysis for sample(s) 01,03 (WG241016-1)						
PAH by GC/MS SIM 8270M				1 8270C-M	0530 10:15 0531 13:50 RL	
Acenaphthene	ND	ug/l	0.20			
2-Chloronaphthalene	ND	ug/l	0.20			
Fluoranthene	ND	ug/l	0.20			
Hexachlorobutadiene	ND	ug/l	0.50			
Naphthalene	ND	ug/l	0.20			
Benzo(a)anthracene	ND	ug/l	0.20			
Benzo(a)pyrene	ND	ug/l	0.20			
Benzo(b)fluoranthene	ND	ug/l	0.20			
Benzo(k)fluoranthene	ND	ug/l	0.20			
Chrysene	ND	ug/l	0.20			
Acenaphthylene	ND	ug/l	0.20			
Anthracene	ND	ug/l	0.20			
Benzo(ghi)perylene	ND	ug/l	0.20			
Fluorene	ND	ug/l	0.20			
Phenanthrene	ND	ug/l	0.20			
Dibenzo(a,h)anthracene	ND	ug/l	0.20			
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20			
Pyrene	ND	ug/l	0.20			
1-Methylnaphthalene	ND	ug/l	0.20			
2-Methylnaphthalene	ND	ug/l	0.20			
Pentachlorophenol	ND	ug/l	0.80			

**ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS**

Laboratory Job Number: L0607419

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01,03 (WG241016-1)							
PAH by GC/MS SIM 8270M cont'd				1 8270C-M	0530 10:15	0531 13:50	RL
Hexachlorobenzene	ND	ug/l	0.80				
Perylene	ND	ug/l	0.20				
Biphenyl	ND	ug/l	0.20				
2,6-Dimethylnaphthalene	ND	ug/l	0.20				
1-Methylphenanthrene	ND	ug/l	0.20				
Benzo(e)Pyrene	ND	ug/l	0.20				
Hexachloroethane	ND	ug/l	0.80				
Surrogate(s)	Recovery			QC Criteria			
2-Fluorophenol	56.0	%		21-120			
Phenol-d6	43.0	%		10-120			
Nitrobenzene-d5	71.0	%		23-120			
2-Fluorobiphenyl	62.0	%		43-120			
2,4,6-Tribromophenol	74.0	%		10-120			
4-Terphenyl-d14	55.0	%		33-120			

**ALPHA ANALYTICAL LABORATORIES
ADDENDUM I**

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.
4. Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.
5. Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).
14. Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water. EPA/600/4-88/039, Revised July 1991.
30. Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.
74. Method 1664, Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

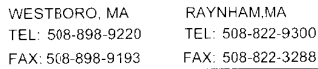
GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
ug/cart	Micrograms per Cartridge.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.



PAGE 1 OF 2

5/26

ALPHA Job #: 20607419

Project Name: Brayton Point

Project Location: Somerset, MA

Project Manager: Dot McGlinchey

Turn-Around Time

Client: TRC Environmental

Address: 116 John St

Lowell, MA 01852

Phone: 978-970-5600

Fax: 978-453-1995

Email: d.mcalinch@trcsolutions.com

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 1/11 Time:

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:

For questions re: analyses or detection limits,
please contact Dot McIntyre or Liz Donly @TRC.

☒ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

☒ Same as Client info	PO #:
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State /Fed Program	Criteria
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MCP/NPIXES

MAMCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTOCOLS

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

[illegible]

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT
MA MCP or CT RCP?
Yes

FORM NO: 01-01 (rev. 10-OCT-05)

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

AGENCY
CORRESPONDENCE



The Commonwealth of Massachusetts

March 8, 2006

William Francis Galvin, Secretary of the Commonwealth
Massachusetts Historical Commission

Secretary Stephen R. Pritchard
Executive Office of Environmental Affairs
100 Cambridge Street, Suite 900
Boston, MA 02114

RE: Brayton Point Station Air Emission Control Project. MHC #RC.1495. EOE #13022.

Dear Secretary Pritchard:

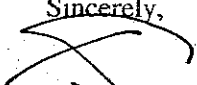
Staff of the Massachusetts Historical Commission have reviewed the Notice of Project Change (NPC) for the proposed project referenced above, as well as additional information received by the MHC on March 2, 2006.

The project consists of installation of additional air emission control equipment, and a water pipeline from the Brayton Point Station to a sewage disposal area. The pipeline is proposed within areas that have been either previously impacted, low sensitivity for significant cultural resources, or previously surveyed by professional archaeologists with no significant findings. The impact area for the pipeline also avoids the Montaup Prehistoric Site (MHC #19-BR-131) listed in the State Register of Historic Places, and formally determined by the Keeper of the National Register to be eligible for listing in the National Register of Historic Places.

The project as presently designed is unlikely to affect any significant historic or archaeological resources. If the project plans for the proposed pipeline change from that presented in the NPC, information should be submitted to the MHC for review and comment.

These comments are offered to assist in compliance with Section 106 of the National Historic Preservation Act of 1966 as amended (36 CFR 800), MGL c. 9, ss. 26-27C (950 CMR 71), and MEPA (301 CMR 11). Please feel free to contact me if you have any questions or need additional assistance.

Sincerely,


Edward L. Bell
Senior Archaeologist
Massachusetts Historical Commission

xc:

Pamela F. Faggert, Dominion
Meredith Simas, Dominion New England



Paul J. Diodati

Director

March 14, 2006

Commonwealth of Massachusetts

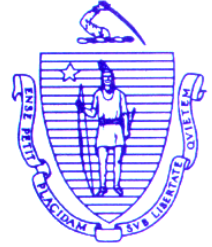
Division of Marine Fisheries

251 Causeway Street, Suite 400

Boston, MA 02114

(617) 626.1520

Fax (617) 626.1509



Stephen R. Pritchard
Secretary, Executive Office of Environmental Affairs
Attn: MEPA Office, Deirdre Buckley
100 Cambridge Street, Suite 900
Boston, MA 02114

Re: EOE # 13022

Dear Secretary Pritchard:

The Division of Marine Fisheries (*MarineFisheries*) has reviewed the Notice of Project Change for the Brayton Point Station to install additional air emission controls on Units 1 and 2 on Mount Hope Bay in the Town of Somerset, with respect to potential impacts to marine fishery resources.

The proposed project abuts mapped shellfish habitat for quahogs (*Mercenaria mercenaria*) and blue mussels (*Mytilus edulis*) which is afforded protection under the Wetlands Protection Act (310 CMR 10.34). That portion of Mount Hope Bay is currently classified as "Prohibited" for shellfishing with a "Closed to Shellfishing" status.

MarineFisheries has no recommendations regarding this project at this time.

Questions regarding this review may be directed to Frank Germano in our New Bedford office at (508) 910-6344.

Sincerely,

A handwritten signature in black ink that reads "Paul J. Diodati".

Paul J. Diodati
Director

cc: Louis M. Arak, Dominion
Christopher Boelke, NMFS
Truman Henson, CZM
Ed Reiner, EPA
Greg Sawyer, DMF
Jack Schwartz, DMF
Somerset Conservation Commission
Maria Tur, USFWS
Yvonne Unger, DEP

An Agency of the Department of Fish and Game
David M. Peters, Commissioner