

Pamela F. Faggert
Vice President and Chief Environmental Officer

Dominion Resources Services, Inc.
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Phone: 804-273-3467



Dominion®

9/30/08
received
MAS-910385

September 19, 2008

US Environmental Protection Agency – New England
Ann Herrick
Industrial NPDES Permits (CIP)
1 Congress Street, Suite 1100
Boston, MA 02114-2023

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

Dear Ms. Herrick:

Dominion Energy Brayton Point, LLC (“Dominion”) is submitting the attached National Pollutant Discharge Elimination System (“NPDES”) Notice of Intent (“NOI”) for coverage under the Remediation General Permit (“RGP”) for the Brayton Point Station. This application addresses dewatering requirements associated with excavations for the installation of foundations, and laying underground piping, for the Closed Cycle Cooling Project. This project is being conducted per the terms of an EPA order dated December 17, 2007 and a Massachusetts Department of Environmental Protection order dated March 27, 2008 to implement the National Pollutant Discharge Elimination System (NPDES) permit for Brayton Point Station. The Closed Cycle Cooling Project consists of installing natural draft cooling water system and supporting equipment to convert the entire facility from once through cooling to closed cycle cooling in order to meet the heat and flow effluent limits of the NPDES permit, and related equipment and operating changes.

In addition to the application form, we have attached: a site location map (Figure 1); a treatment system diagram (Figure 2); a map showing the site location & location of the outfall (Figure 3); supporting groundwater analytical data; and agency correspondence.

Potential constituents of concern include total suspended solids and metals above the RGP effluent limits. The proposed dewatering treatment system will have a maximum flow of about 200 gallons per minute (“gpm”) and is expected to periodically operate at rates averaging 20 gallons per minute. The treatment system will consist of the following process components:

- 1) 21,000 gallon mobile fractionation tank with an internal undeflow/overflow weir settling system for removal of suspended solids, settleable solids, and oil and grease if present;
- 2) In-line bag filters for effluent polishing prior to media filter tanks
- 3) 36" diameter media filter tanks filled with a green sand system
- 4) If required, a carbon vessel tank will be added.

Treated effluent from the system will be discharged via hose to existing catch basins (marked 1 through 4 in Figure 1), which in turn discharge to Mount Hope Bay via Outfall 001. The proposed construction dewater 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 April 2009 through April 2012.

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.

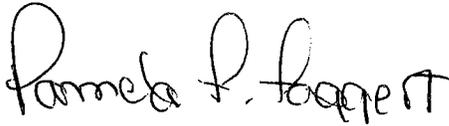
Discharge of treated effluent from the construction dewatering treatment system will be in compliance with the effluent limitations contained in the RGP and will not exacerbate any water quality conditions noted above.

Correspondence with the U.S. Fish and Wildlife Service ("USFWS") is attached. USFWS documented no federally-listed or proposed, threatened or endangered species or critical habitat within the project vicinity and concluded no further consultation is required with regards to this project.

The Massachusetts Historical Commission ("MHC") has previously determined (2006) that discharge from treated effluent in the vicinity of this project area at Brayton Point will not impact any significant historical or archeological resources on the project site. Dominion will continue to work with MHC in the context of the overall permitting process for the construction of the cooling towers.

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 Simas at 508-646-5338

Sincerely,

A handwritten signature in black ink that reads "Pamela F. Faggert". The signature is written in a cursive style with a large initial 'P'.

Pamela F. Faggert

cc: *Massachusetts Department of Environmental Protection
Division of Watershed Management
67 Main Street, 2nd Floor
Worcester, MA 01608

** Massachusetts Department of Environmental Protection
P.O. Box 4062
Boston, MA 02111

*Copy of NOI, transmittal form, copy of check for fee
** Copy of the transmittal form and the check for the fee

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: Brayton Point Station		Facility/site address:	
Location of facility/site: longitude: <u>071 11' 28.4" W</u> latitude: <u>041 43' 1.7"</u>	Facility SIC code(s): 4911	Street: 1 Brayton Point Road	
b) Name of facility/site owner: Dominion Energy Brayton Point LLC		Town: Somerset	
Email address of owner: Meredith.Simas@dom.com	State: MA	Zip: 02347	County:
Telephone no. of facility/site owner: 508-646-5000	Owner is (check one): 1. Federal ___ 2. State/Tribal ___ 3. Private <input checked="" type="checkbox"/> 4. other, if so, describe:		
Fax no. of facility/site owner: 888-284-2888			
Address of owner (if different from site): Street: 5000 Dominion Boulevard			
Town: Glen Allen	State: VA	Zip: 23060	County:
c) Legal name of operator: Dominion Energy Brayton Point, LLC	Operator telephone no.: (508) 646-5220		
	Operator fax no.: (508) 646-5401		Operator email: Meredith.Si
Operator contact name and title: Meredith Simas, Supervisor - Environmental Regulation			
Address of operator (if different from owner):		Street:	
Town:	State:	Zip:	County:
d) Check "yes" or "no" for the following:			
1. Has a prior NPDES permit exclusion been granted for the discharge? Yes ___ No <input checked="" type="checkbox"/> , if "yes," number:			
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes ___ No <input checked="" type="checkbox"/> , if "yes," date and tracking #:			
3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Yes <input checked="" type="checkbox"/> No ___			
4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes ___ No <input checked="" type="checkbox"/>			

<p>e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes ___ No <input checked="" type="checkbox"/> *</p> <p>If "yes," please list:</p> <ol style="list-style-type: none"> 1. site identification # assigned by the state of NH or MA: 2. permit or license # assigned: 3. state agency contact information: name, location, and telephone number: 	<p>f) Is the site/facility covered by any other EPA permit, including:</p> <ol style="list-style-type: none"> 1. multi-sector storm water general permit? Y <input checked="" type="checkbox"/> N ___ , if Y, number: MA 2. phase I or II construction storm water general permit? Y <input checked="" type="checkbox"/> N ___ , if Y, number: MAR100000 3. individual NPDES permit? Y <input checked="" type="checkbox"/> N ___ , if Y, number: MA0003654 4. any other water quality related permit? Y ___ N <input checked="" type="checkbox"/> , if Y, number:
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* not directly. Dewatering is for construction required to comply with EPA & MassDEP orders to implement the NPDES Permit for Brayton Point Station.

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed) including:

<p>a) Describe the discharge activities for which the owner/applicant is seeking coverage:</p> <p>dewatering associated with construction of closed loop cooling project in compliance with EPA & MassDEP orders</p>			
<p>b) Provide the following information about each discharge:</p>	<table border="1"> <tr> <td style="vertical-align: top;"> <p>1) Number of discharge points: 4 catch basins, 1 outfall</p> </td> <td style="vertical-align: top;"> <p>2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft³/s)? Max. flow <u>0.44 ft³/s</u> Average flow <u>0.05 ft³/s</u> Is maximum flow a design value? Y ___ N <input checked="" type="checkbox"/> For average flow, include the units and appropriate notation if this value is a design value or estimate if not available. flows shown are estimates only</p> </td> </tr> </table>	<p>1) Number of discharge points: 4 catch basins, 1 outfall</p>	<p>2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft³/s)? Max. flow <u>0.44 ft³/s</u> Average flow <u>0.05 ft³/s</u> Is maximum flow a design value? Y ___ N <input checked="" type="checkbox"/> For average flow, include the units and appropriate notation if this value is a design value or estimate if not available. flows shown are estimates only</p>
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<p>3) Latitude and longitude of each discharge within 100 feet: pt.1: long. <u>-71.1910</u> lat. <u>41.7158</u> ; pt.2: long. <u>-71.1905</u> lat. <u>41.7166</u> ; pt.3: long. <u>-71.1895</u> lat. <u>41.7178</u> ; pt.4: long. <u>-71.1903</u> lat. <u>41.7182</u> ; pt.5: long. <u>-71.1958</u> lat. <u>41.7074</u> ; pt.6: long. _____ lat. _____ ; pt.7: long. _____ lat. _____ ; pt.8: long. _____ lat. _____ ; etc. *</p>			
<p>4) If hydrostatic testing, total volume of the discharge (gals): n/a</p>	<p>5) Is the discharge intermittent <input checked="" type="checkbox"/> or seasonal _____ ? Is discharge ongoing Yes ___ No <input checked="" type="checkbox"/> ?</p>		
<p>c) Expected dates of discharge (mm/dd/yy): start <u>04/04/09</u> end <u>04/01/12</u></p>			
<p>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).</p> <p style="text-align: right;">See Figure 2</p>			

*pt1=catch basin 1; pt2=catch basin 2; pt3=catch basin 3; pt4=catch basin 4; pt5=outfall 001

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	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids		✓	2	grab	160.2	5000	86000		43000	
2. Total Residual Chlorine	✓		2	grab	4500CL-D	20	ND		ND	
3. Total Petroleum Hydrocarbons		✓	2	grab	1664	4000	4540		2270*	
4. Cyanide	✓		2	grab	335.2	5	ND		ND	
5. Benzene	✓		2	grab	8260	0.5	ND		ND	
6. Toluene	✓		2	grab	8260	0.75	ND		ND	
7. Ethylbenzene	✓		2	grab	8260	0.5	ND		ND	
8. (m,p,o) Xylenes	✓		2	grab	8260	1.0	ND		ND	
9. Total BTEX ⁴	✓		2	grab	8260B		ND		ND	

* non-detect result assumed zero for averaging.

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	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide ⁵ (1,2- Dibromo-methane)	✓		2	grab	8260	2.0	ND		ND	
11. Methyl-tert-Butyl Ether (MtBE)	✓		2	grab	8260	1.0	ND		ND	
12. tert-Butyl Alcohol (TBA)	✓		2	grab	8260	30.	ND		ND	
13. tert-Amyl Methyl Ether (TAME)	✓		2	grab	8260	2.0	ND		ND	
14. Naphthalene	✓		2	grab	8260	2.5	ND		ND	
15. Carbon Tetra-chloride	✓		2	grab	8260	0.50	ND		ND	
16. 1,4 Dichlorobenzene	✓		2	grab	8260	2.5	ND		ND	
17. 1,2 Dichlorobenzene	✓		2	grab	8260	2.5	ND		ND	
18. 1,3 Dichlorobenzene	✓		2	grab	8260	2.5	ND		ND	
19. 1,1 Dichloroethane	✓		2	grab	8260	0.75	ND		ND	
20. 1,2 Dichloroethane	✓		2	grab	8260	0.50	ND		ND	
21. 1,1 Dichloroethylene	✓		2	grab	8260	0.50	ND		ND	
22. cis-1,2 Dichloro-ethylene	✓		2	grab	8260	0.50	ND		ND	
23. Dichloromethane (Methylene Chloride)	✓		2	grab	8260	5.0	ND		ND	
24. Tetrachloroethylene	✓		2	grab	8260	5.0	ND		ND	

⁵EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

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)
25. 1,1,1 Trichloroethane	✓		2	grab	8260	0.50	ND		ND	
26. 1,1,2 Trichloroethane	✓		2	grab	8260	0.75	ND		ND	
27. Trichloroethylene	✓		2	grab	8260	0.5	ND		ND	
28. Vinyl Chloride	✓		2	grab	8260	1.0	ND		ND	
29. Acetone	✓		2	grab	8260	5.0	ND		ND	
30. 1,4 Dioxane	✓		2	grab	8260	250	ND		ND	
31. Total Phenols	✓		2	grab	8270C		ND		ND	
32. Pentachlorophenol	✓		2	grab	8270C	0.8	ND		ND	
33. Total Phthalates ⁶ (Phthalate esters)	✓		2	grab	8270c		ND		ND	
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		2	grab	8270C	4.8	ND		ND	
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✓		2	grab	8270C		ND		ND	
a. Benzo(a) Anthracene	✓		2	grab	8270C	4.8	ND		ND	
b. Benzo(a) Pyrene	✓		2	grab	8270C	4.8	ND		ND	
c. Benzo(b)Fluoranthene	✓		2	grab	8270C	4.8	ND		ND	
d. Benzo(k) Fluoranthene	✓		2	grab	8270C	4.8	ND		ND	
e. Chrysene			2	grab	8270C	4.8	ND		ND	

⁶The 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	Maximum daily value		Average daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
f. Dibenzo(a,h) anthracene	✓		2	grab	8270C	0.20	ND		ND	
g. Indeno(1,2,3-cd) Pyrene	✓		2	grab	8270C	6.8	ND		ND	
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	✓		2	grab	8270C		ND		ND	
h. Acenaphthene	✓		2	grab	8270C	0.20	ND		ND	
i. Acenaphthylene	✓		2	grab	8270C	0.20	ND		ND	
j. Anthracene	✓		2	grab	8270C	0.20	ND		ND	
k. Benzo(ghi) Perylene	✓		2	grab	8270C	4.8	ND		ND	
l. Fluoranthene	✓		2	grab	8270C	0.2	ND		ND	
m. Fluorene	✓		2	grab	8270C	4.8	ND		ND	
n. Naphthalene-	✓		2	grab	8270C	0.2	ND		ND	
o. Phenanthrene	✓		2	grab	8270C	4.8	ND		ND	
p. Pyrene	✓		2	grab	8270C	4.8	ND		ND	
37. Total Polychlorinated Biphenyls (PCBs)	✓		2	grab	8082	0.263	ND		ND	
38. Antimony		✓	2	grab	6020	0.5	1.1		1.1	
39. Arsenic		✓	2	grab	6020	0.5	75.3		45.9	
40. Cadmium		✓	2	grab	6020	0.2	0.4		0.3	
41. Chromium III		✓	2	grab	6020	0.5	2.6		1.3*	
42. Chromium VI	✓		2	grab	3500CR-D	50	ND		ND	

*non-detect result assumed zero for averaging

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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	grab	6020	0.5	8.0		6.15	
44. Lead	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	grab	6020	0.5	4.2		2.1*	
45. Mercury	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	grab	245.1	0.2	ND		ND	
46. Nickel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	grab	6020	0.5	12.3		10.45	
47. Selenium	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	grab	6020	1.0	61		51.5	
48. Silver	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	grab	6020	4.0	ND		ND	
49. Zinc	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	grab	6020	5.0	11.3		9.25	
50. Iron	<input type="checkbox"/>	<input checked="" type="checkbox"/>	2	grab	200.7	50	2400		1200*	
Other (describe):	<input type="checkbox"/>	<input type="checkbox"/>								

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

<p>Step 1: 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 <input checked="" type="checkbox"/> N <input type="checkbox"/></p>	<p>If yes, which metals? copper, iron, nickel, arsenic</p>
<p>Step 2: 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: n/a saltwater discharge DF: 0</p>	<p>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 <input checked="" type="checkbox"/> N <input type="checkbox"/> If "Yes," list which metals: copper, iron, nickel, arsenic</p>

*non-detect result assumed zero for averaging

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: Fractionation & bag filter for TSS removal; green sand filter for metals						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank <input checked="" type="checkbox"/>	Air stripper	Oil/water separator	Equalization tanks	Bag filter <input checked="" type="checkbox"/>	GAC filter
	Chlorination	Dechlorination	Other (please describe): Green Sand Filter			
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 ²⁰ _____ Maximum flow rate of treatment system ²⁰⁰ _____ Design flow rate of treatment system ²³⁶ _____						
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 <input checked="" type="checkbox"/>	River/brook _____	Wetlands _____	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: treated water from dewatering activities will discharge to existing discharge points 21 and 22, which in-turn discharge to Mount Hope Bay through Outfall 001.						
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 Figure 3		
d) Provide the state water quality classification of the receiving water <u>SB</u> _____,						
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 <input checked="" type="checkbox"/> No _____ If yes, for which pollutant(s)? <u>unknown toxicity, nutrients, thermal modifications,</u> Is there a TMDL? Yes _____ No <input checked="" type="checkbox"/> If yes, for which pollutant(s)? <u>low DO, pathogens</u>						

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 <input checked="" type="checkbox"/> Has any consultation with the federal services been completed? Yes <input checked="" type="checkbox"/> No ___ or is consultation underway? Yes ___ No ___ What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (check one): a "no jeopardy" opinion? ___ or written concurrence <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes ___ No <input checked="" type="checkbox"/>

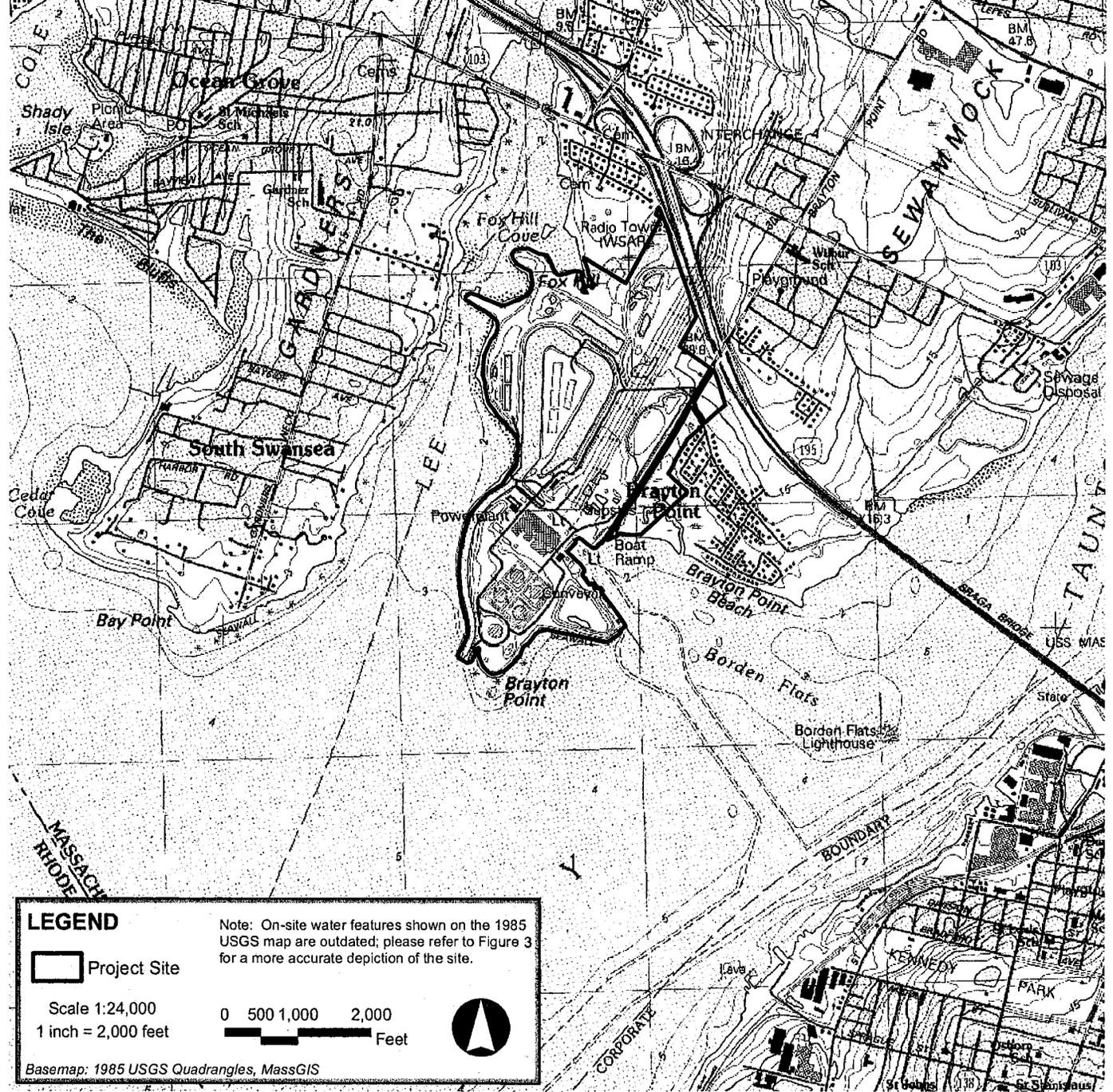
7. Supplemental information. :

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.
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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: Brayton Point Station
Operator signature: 
Title: Diane G. Leopold, VP F&H Merchant Operations
Date: 9/19/08



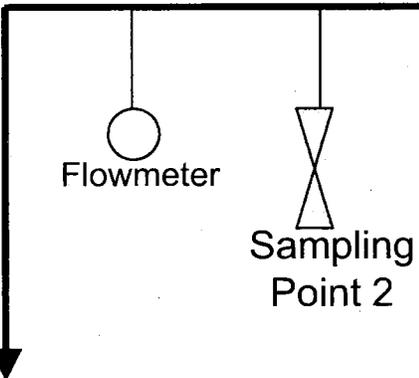
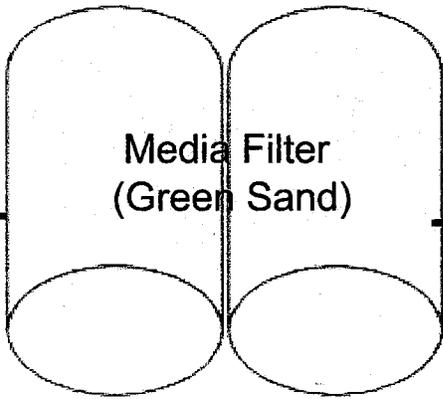
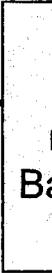
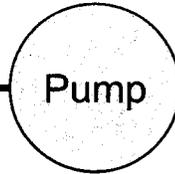
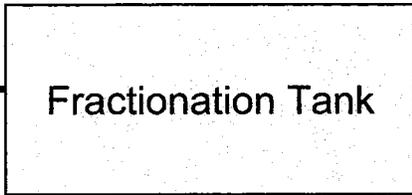
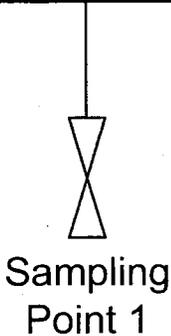
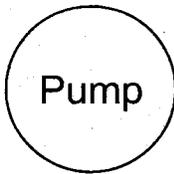
**Brayton Point
Closed Loop Cooling Project**

Somerset, Massachusetts



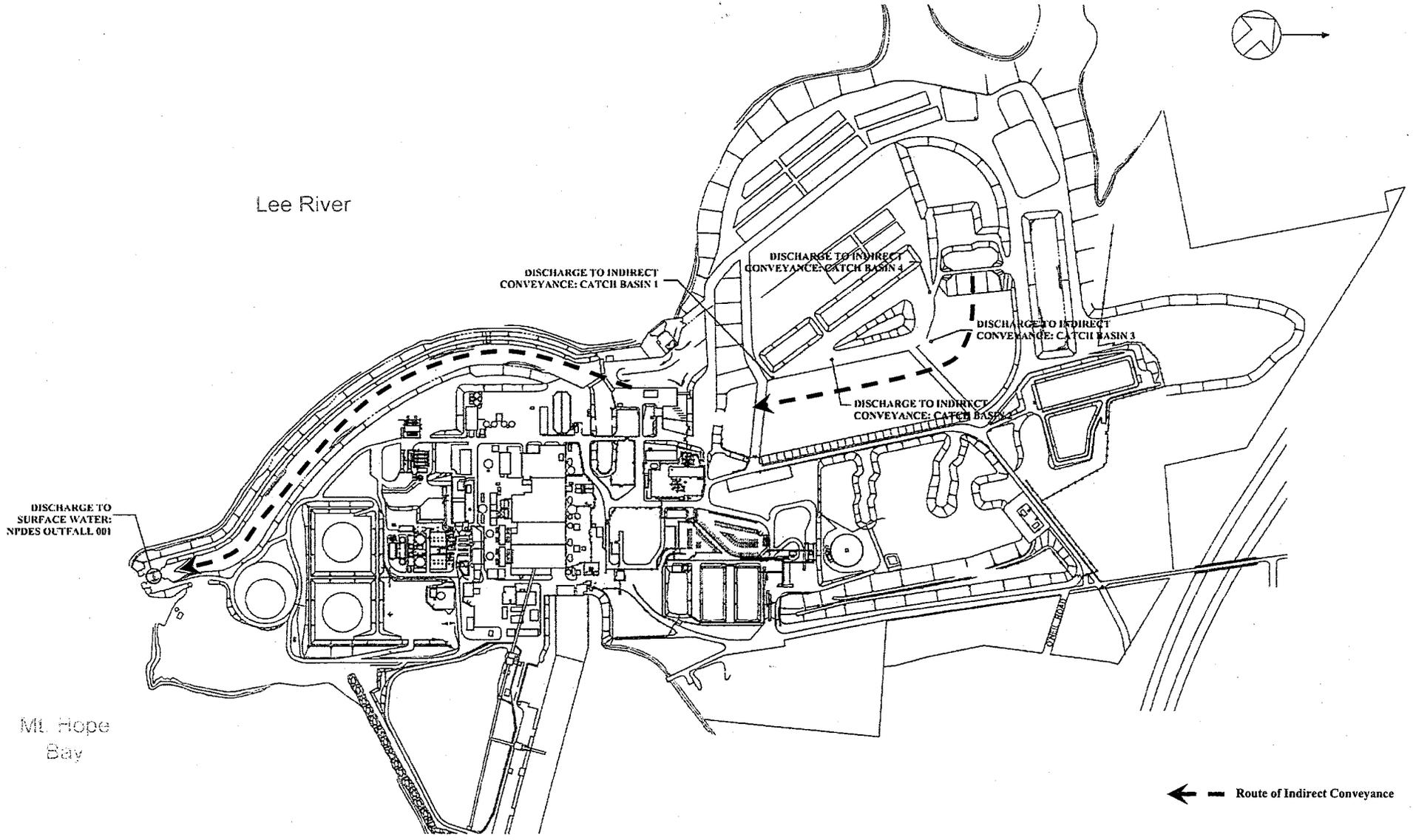
Figure 1
USGS Locus Map

Source of Intake
Water:
Construction
Dewatering



Discharge by hose to 1 of 4 catch basins;
conveyance to Outfall 001
Receiving Water: Mount Hope Bay

Dominion Energy
Remedial General
Figure 2: Treatm
Septer



Brayton Point Closed Loop Cooling Project Somerset, Massachusetts

Epsilon

Figure 3

Site Location & Location of the Outfall

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Solids, Total Suspended	ND	mg/l	5.0	4 160.2		0812 12:15	DW
Cyanide, Total	ND	mg/l	0.005	4 335.2	0808 16:35	0811 15:08	DD
Chlorine, Total Residual	ND	mg/l	0.02	30 4500CL-D		0806 20:30	JO
TPH	4.54	mg/l	4.00	74 1664A	0807 18:00	0808 18:00	JO
Chromium, Hexavalent	ND	mg/l	0.050	30 3500CR-D	0806 22:00	0806 22:00	HG
Total Metals							
Antimony, Total	0.0010	mg/l	0.0005	1 6020	0808 12:15	0808 18:52	BM
Arsenic, Total	0.0753	mg/l	0.0005	1 6020	0808 12:15	0808 18:52	BM
Barium, Total	0.0188	mg/l	0.0005	1 6020	0808 12:15	0808 18:52	BM
Cadmium, Total	0.0002	mg/l	0.0002	1 6020	0808 12:15	0808 18:52	BM
Chromium, Total	ND	mg/l	0.0005	1 6020	0808 12:15	0808 18:52	BM
Copper, Total	0.0043	mg/l	0.0005	1 6020	0808 12:15	0808 18:52	BM
Iron, Total	ND	mg/l	0.05	19 200.7	0808 12:15	0808 17:39	AI
Lead, Total	ND	mg/l	0.0005	1 6020	0808 12:15	0808 18:52	BM
Mercury, Total	ND	mg/l	0.0002	3 245.1	0807 19:30	0808 16:21	HG
Nickel, Total	0.0086	mg/l	0.0005	1 6020	0808 12:15	0808 18:52	BM
Selenium, Total	0.061	mg/l	0.001	1 6020	0808 12:15	0808 18:52	BM
Silver, Total	ND	mg/l	0.0004	1 6020	0808 12:15	0808 18:52	BM
Zinc, Total	0.0072	mg/l	0.0050	1 6020	0808 12:15	0808 18:52	BM
Volatile Organics by GC/MS 8260							
Methylene chloride	ND	ug/l	5.0	1 8260B		0808 10:34	PD
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				

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

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0811572-01
080740-BP-10

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Semivolatile Organics by EPA 8270C cont'd				1 8270C	0808 12:00 0809 15:10 PS		
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	6.8				
Pyrene	ND	ug/l	4.8				
Aniline	ND	ug/l	19.				
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	6.8				
Dibenzofuran	ND	ug/l	4.8				
2-Methylnaphthalene	ND	ug/l	4.8				
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	5.8				
2,4-Dichlorophenol	ND	ug/l	9.7				
2,4-Dimethylphenol	ND	ug/l	9.7				
2-Nitrophenol	ND	ug/l	19.				
4-Nitrophenol	ND	ug/l	9.7				
2,4-Dinitrophenol	ND	ug/l	29.				
4,6-Dinitro-o-cresol	ND	ug/l	19.				
Pentachlorophenol	ND	ug/l	9.7				
Phenol	ND	ug/l	6.8				
2-Methylphenol	ND	ug/l	5.8				
3-Methylphenol/4-Methylphenol	ND	ug/l	5.8				
2,4,5-Trichlorophenol	ND	ug/l	4.8				
Benzoic Acid	ND	ug/l	48.				
Benzyl Alcohol	ND	ug/l	9.7				
Carbazole	ND	ug/l	4.8				
Pyridine	ND	ug/l	48.				
Surrogate(s)	Recovery			QC Criteria			
2-Fluorophenol	31.0	%		21-120			
Phenol-d6	21.0	%		10-120			

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

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CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0811572-01
080740-BP-10

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Semivolatile Organics by EPA 8270C cont'd				1	8270C	0808 12:00	0809 15:10 PS
Nitrobenzene-d5	46.0	%	23-120				
2-Fluorobiphenyl	46.0	%	43-120				
2,4,6-Tribromophenol	69.0	%	10-120				
4-Terphenyl-d14	55.0	%	33-120				
Semivolatile Organics by EPA 8270C-SIM				1	8270C	0811 10:10	0813 11:59 AK
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				
Hexachlorobenzene	ND	ug/l	0.80				
Hexachloroethane	ND	ug/l	0.80				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	34.0	%	21-120				
Phenol-d6	23.0	%	10-120				
Nitrobenzene-d5	52.0	%	23-120				
2-Fluorobiphenyl	53.0	%	43-120				
2,4,6-Tribromophenol	69.0	%	10-120				
4-Terphenyl-d14	54.0	%	33-120				
Polychlorinated Biphenyls				1	8082	0808 10:00	0811 15:03 SH
Aroclor 1016	ND	ug/l	0.263				
Aroclor 1221	ND	ug/l	0.263				
Aroclor 1232	ND	ug/l	0.263				
Aroclor 1242	ND	ug/l	0.263				
Aroclor 1248	ND	ug/l	0.263				
Aroclor 1254	ND	ug/l	0.263				
Aroclor 1260	ND	ug/l	0.263				
Aroclor 1262	ND	ug/l	0.263				
Aroclor 1268	ND	ug/l	0.263				

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ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0811572-01
080740-BP-10

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE		ID
					PREP	ANAL	
Polychlorinated Biphenyls cont'd				1 8082	0808 10:00	0811 15:03	SH
Surrogate(s)	Recovery			QC Criteria			
2,4,5,6-Tetrachloro-m-xylene	61.0	%		30-150			
Decachlorobiphenyl	100	%		30-150			

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