UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 1
5 Post Office Square, Suite 100
BOSTON, MA 02109-3912

CERTIFIED MAIL

November 10, 2010

Mike Dacey
Senior Project Hydro-geologist
186 Granite Street, 3rd Floor, Suite A
Manchester, NH 03101

Re: Authorization to discharge under the Remediation General Permit (RGP) – NHG910000. General Electric Company site located at 130 Main Street, Somersworth, NH 03878- Strafford County, Authorization #NHG910055.

Dear Mr. Dacey:

Based on the review of a Notice of Intent (NOI) submitted on behalf of General Electric Company by the firm GeoInsight, for the site referenced above, the U.S. Environmental Protection Agency (EPA) hereby authorizes you, as the named Operator, to discharge in accordance with the provisions of the RGP at that site. Your authorization number is listed above.

The checklist enclosed with this RGP authorization indicates the pollutants for which you are required to monitor. Also indicated on the checklist are the effluent limits, test methods and minimum levels (MLs) for each pollutant. Please note that the checklist does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of this permit, including influent and effluent monitoring, narrative water quality standards, record keeping, and reporting requirements, found in Parts I and II, and Appendices I – VIII of the RGP. See EPA's website for the complete RGP and other information at: http://www.epa.gov/region1/npdes/mass.html#dgp.

Please note also the following: (1) the list of pollutants attached to this authorization is subject to a recertification if the operations at the site result in a discharge lasting longer than six months and (2) with a dilution factor of 1,292 the compliance limits for the pollutants zinc and hexavalent chromium are ceiling, technology-based limits, as presented in Appendix IV of the RGP. At this dilution the discharge limit for iron of 5,000ug/L is based on the RGP (See 2005 RGP Fact Sheet, under Metals Limitations on Page 65.)

This general permit and authorization to discharge will expire on September 9, 2015. . You reported that this project would terminate on October 10, 2015. If for any reason the discharge terminates sooner you are required to submit a Notice of Termination (NOT) to the attention of the contact person indicated below within 30 days of project completion.

Thank you in advance for your cooperation in this matter. Please contact Victor Alvarez at 617-918-1572 or Alvarez.Victor@epa.gov, if you have any questions.

Sincerely,

David M. Webster, Chief
Industrial Permits Branch

Enclosure

cc: Jeffry Andrews, NHDES
Cheryl A. Brown, GeoInsight

2010 Remediation General Permit
Summary of Monitoring Parameters[1]

NPDES Permit Number:	**NHG910055**
Date Permit Issued:	October 2010
Facility/Site Name:	General Electric Company
Facility/Site Address:	130 Main Street, Somersworth, NH 03878- Strafford County
	Email address of owner; Robert.Frizzle@ge.com; Phone n: 603.749.8550
Legal Name of operator:	GeoInsight, Inc.
Operator contact name, title, and Address:	Mike Dacey, Senior Project Hydrogeologist,186 Granite Street, 3rd Floor, Suite A, Manchester, NH 03101
	Email MFDacey@geoinc.com
Estimated Date of Completion:	October 10, 2015
Category and Sub-Category:	Category I, Petroleum Related Site Remediation, Sub-category B- Fuel Oils and Other Oils Sites
Receiving Water:	Salmon Falls River, Somersworth NH.

Monitoring & Limits are applicable if checked. All samples are to be collected as grab samples

	Parameter	**Effluent Limits/Method#/ML** (All Effluent Limits are shown as Daily Maximum Limits, unless denoted by a **, in which case it is a Monthly average Limit)
√	1. Total Suspended Solids (TSS)	30 milligrams/liter (mg/l) **, 50 mg/l for hydrostatic testing **, Me#60.2/5mL
√	2. Total Residual Chlorine (TRC) [1]	Freshwater = 11 ug/l ** Saltwater = 7.5 ug/l **/ Me#330.5/ML 20ug/L
√	3. Total Petroleum Hydrocarbons (TPH)	5.0 mg/l/ Me# 1664A/5.0mg/LmL
√	4. Cyanide (CN) [2, 3]	Freshwater = 5.2 ug/l ** Saltwater = 1.0 ug/l **/ Me#335.4/ML 5ug/L
	5. Benzene (B)	5ug/L /50.0 ug/l for hydrostatic testing only/ Me#8260C/ML 2 ug/L
	6. Toluene (T)	(limited as ug/L total BTEX)/ Me#8260C/ ML 2ug/L
	7. Ethylbenzene (E)	(limited as ug/L total BTEX))/ Me#8260C/ ML 2ug/L
	8. (m,p,o) Xylenes (X)	(limited as ug/L total BTEX))/ Me#8260C/ ML 2ug/L
√	9. Total Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX) [4]	100 ug/l)/ Me#8260C/ ML 2ug/L
	10. Ethylene Dibromide (EDB) (1,2- Dibromoethane)	0.05 ug/l/ Me#8260C/ ML 10ug/L
	11. Methyl-tert-Butyl Ether (MtBE)	70.0 ug/l /Me#8260C/ ML 10ug/L
	12.tert-Butyl Alcohol (TBA) (TertiaryButanol)	Monitor Only (ug/L)/ Me#8260C/ ML 10ug/L
	13. tert-Amyl Methyl Ether	Monitor Only (ug/L) /Me#8260C/ ML

	Parameter	Effluent Limits/Method#/ML (All Effluent Limits are shown as Daily Maximum Limits, unless denoted by a **, in which case it is a Monthly average Limit)
	(TAME)	10ug/L
√	14. Naphthalene [5]	20 ug/l /Me#8260C/ ML 2ug/L
	15. Carbon Tetrachloride	4.4 ug/l /Me#8260C/ ML 5ug/L
	16. 1,2 Dichlorobenzene (o-DCB)	600 ug/l /Me#8260C/ ML 5ug/L
	17. 1,3 Dichlorobenzene (m-DCB)	320 ug/l /Me#8260C/ ML 5ug/L
	18. 1,4 Dichlorobenzene (p-DCB)	5.0 ug/l /Me#8260C/ ML 5ug/L
	18a. Total dichlorobenzene	763 ug/l – NH only /Me#8260C/ ML5ug/L
	19. 1,1 Dichloroethane (DCA)	70 ug/l /Me#8260C/ ML 5ug/L
	20. 1,2 Dichloroethane (DCA)	5.0 ug/l /Me#8260C/ ML 5ug/L
	21. 1,1 Dichloroethene (DCE)	3.2 ug/l/Me#8260C/ ML 5ug/L
	22. cis-1,2 Dichloroethene (DCE)	70 ug/l /Me#8260C/ ML 5ug/L
	23. Methylene Chloride	4.6 ug/l/Me#8260C/ ML 5ug/L
	24. Tetrachloroethene (PCE)	5.0 ug/l /Me#8260C/ ML 5ug/L
	25. 1,1,1 Trichloro-ethane (TCA)	200 ug/l/Me#8260C/ ML 5ug/L
	26. 1,1,2 Trichloro-ethane (TCA)	5.0 ug/l /Me#8260C/ ML 5ug/L
	27. Trichloroethene (TCE)	5.0 ug/l /Me#8260C/ ML 5ug/L
	28. Vinyl Chloride (Chloroethene)	2.0 ug/l /Me#8260C/ ML 5ug/L
	29. Acetone	Monitor Only (ug/L) /Me#8260C/ ML 50ug/L
	30. 1,4 Dioxane	Monitor Only /Me#1624C/ML50 ug/L
	31. Total Phenols	300 ug/l Me#420.1&420.2/ML 2 ug/L/ Me# 420.4 /ML50 ug/L
	32. Pentachlorophenol (PCP)	1.0 ug/l /Me#8270D/ML5ug/L,Me#604 &625/ML10ug/L
	33. Total Phthalates (Phthalate esters) [6]	3.0 ug/L ** /Me#8270D/ML5ug/L,Me#606/ML10ug/L& Me#625/ML5ug/L
	34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate]	6.0 ug/l /Me#8270D/ML5ug/L,Me#606/ML10ug/L& Me#625/ML5ug/L
	35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	10.0 ug/l
	a. Benzo(a) Anthracene [7]	0.0038 ug/l /Me#8270D/ ML5ug/L, Me#610/ML5ug/L& Me#625/ML5ug/L
	b. Benzo(a) Pyrene [7]	0.0038 ug/l /Me#8270D/ ML5ug/L, Me#610/ML5ug/L& Me#625/ML5ug/L
	c. Benzo(b)Fluoranthene [7]	0.0038 ug/l /Me#8270D/ ML5ug/L, Me#610/ML5ug/L& Me#625/ML5ug/L
	d. Benzo(k)Fluoranthene [7]	0.0038 ug/l /Me#8270D/ ML5ug/L, Me#610/ML5ug/L& Me#625/ML5ug/L
	e. Chrysene [7]	0.0038 ug/l /Me#8270D/ ML5ug/L, Me#610/ML5ug/L& Me#625/ML5ug/L

	Parameter	Effluent Limit/Method#/ML (All Effluent Limits are shown as Daily Maximum, or Monthly Average if denoted by a **)
		Me#610/ML5ug/L& Me#625/ML5ug/L
	g. Indeno(1,2,3-cd) Pyrene [7]	0.0038 ug/l /Me#8270D/ ML5ug/L, Me#610/ML5ug/L& Me#625/ML5ug/L
	36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	100 ug/l
	h. Acenaphthene	X/Me#8270D/ML5ug/L,Me#610/ML5ug /L & Me#625/ML5ug/L
	i. Acenaphthylene	X/Me#8270D/ML5ug/L,Me#610/ML5ug/L & Me#625/ML5ug/L
	j. Anthracene	X/Me#8270D/ML5ug/L,Me#610/ML5ug/L & Me#625/ML5ug/L
	k. Benzo(ghi) Perylene	X/Me#8270D/ML5ug/L,Me#610/ML5ug/L & Me#625/ML5ug/L
	l. Fluoranthene	X/Me#8270D/ML5ug/L,Me#610/ML5ug/L & Me#625/ML5ug/L
	m. Fluorene	X/Me#8270D/ML5ug/L,Me#610/ML5ug/L & Me#625/ML5ug/L
	n. Naphthalene [5]	20 ug/l / Me#8270D/ ML5ug/L, Me#610/ML5ug/L & Me#625/ML5ug/L
	o. Phenanthrene	X/Me#8270D/ML5ug/L,Me#610/ML5ug/L & Me#625/ML5ug/L
	p. Pyrene	X/Me#8270D/ML5ug/L,Me#610/ML5ug/L & Me#625/ML5ug/L
	37. Total Polychlorinated Biphenyls (PCBs) [8, 9]	0.000064 ug/L / Me# 608/ ML 0.5 ug/L
√	38. Chloride	Monitor only/Me# 300.0/ ML 0.1ug/L

	Metal parameter	Total Recoverable Metal Limit @ H [10]= 50 mg/l CaCO3 for discharges in Massachusetts (ug/l) [11]		Total Recoverable Metal Limit @ H [10] = 25 mg/l CaCO3 for Discharges in New Hampshire (ug/l) [11]	
		Freshwater	Saltwater	Freshwater	Saltwater
	39. Antimony			5.6/10mL	
	40. Arsenic **			10/20Ml	36/20mL
	41. Cadmium **			0.8/10mL	9.3/10mL
	42. Chromium III (trivalent) **			27.7/15mL	100/15mL
√	43. Chromium VI (hexavalent) **			1,710 ug/L /10mL	50.3/10mL
	44. Copper **			2.9/15mL	3.7/15mL
	45. Lead **			0.5/20mL	8.5/20mL
	46. Mercury **			0.9/0.2mL	1.1/0.2mL
	47. Nickel **			16.1/20mL	8.2/20mL
	48. Selenium **			5/20mL	71/20mL
	49. Silver			0.4/10mL	2.2/10mL
√	50. Zinc **			1,480ug/L/15mL	85.6/15mL
√	51. Iron			5,000 ug/L/20mL	

	Other Parameters	Limit
√	52. Instantaneous Flow	Site specific in CFS
√	53. Total Flow	Site specific in CFS
	54. pH Range for Class A & Class B Waters in MA	6.5-8.3; 1/Month/Grab[13]
	55. pH Range for Class SA & Class SB Waters in MA	6.5-8.3; 1/Month/Grab[13]
√	56. pH Range for Class B Waters in NH	6.5-8; 1/Month/Grab[13]
	57. Daily maximum temperature - Warm water fisheries	83°F; 1/Month/Grab[14]
	58. Daily maximum temperature - Cold water fisheries	68°F; 1/Month/Grab[14]
	59. Maximum Change in Temperature in MA - Any Class A water body	1.5°F; 1/Month/Grab[14]
	60. Maximum Change in Temperature in MA - Any Class B water body- Warm Water	5°F; 1/Month/Grab[14]
	61. Maximum Change in Temperature in MA – Any Class B water body - Cold water and Lakes/Ponds	3°F; 1/Month/Grab[14]
	62. Maximum Change in Temperature in MA – Any Class SA water body - Coastal	1.5°F; 1/Month/Grab[14]
	63. Maximum Change in Temperature in MA – Any Class SB water body - July to September	1.5°F; 1/Month/Grab[14]
	64. Maximum Change in Temperature in MA – Any Class SB water body - October to June	4°F; 1/Month/Grab[14]

Footnotes:

[1] Although the maximum values for TRC are 11ug/l and 7.5 ug/l for freshwater, and saltwater respectively, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., Method 330.5, 20 ug/l).
[2] Limits for cyanide are based on EPA's water quality criteria expressed as micrograms per liter. There is currently no EPA approved test method for free cyanide. Therefore, total cyanide must be reported.
[3] Although the maximum values for cyanide are 5.2 ug/l and 1.0 ug/l for freshwater and saltwater, respectively, the compliance limits are equal to the minimum level (ML) of the Method 335.4 as listed in Appendix VI (i.e., 10 ug/l).
[4] BTEX = sum of Benzene, Toluene, Ethylbenzene, and total Xylenes.
[5] Naphthalene can be reported as both a purgeable (VOC) and extractable (SVOC) organic compound. If both VOC and SVOC are analyzed, the highest value must be used unless the QC criteria for one of the analyses is not met. In such cases, the value from the analysis meeting the QC criteria must be used.
[6] The sum of individual phthalate compounds(not including the #34, Bis (2-Ethylhexyl) Phthalate . The compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.
Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measurement of a

constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.

[7] Although the maximum value for the individual PAH compounds is 0.0038 ug/l, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.

[8] In the November 2002 WQC, EPA has revised the definition of Total PCBs for aquatic life as total PCBs is the sum of all homologue, all isomer, all congener, or all "Oroclor analyses."Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measure of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.

[9]Although the maximum value for total PCBs is 0.000064 ug/l, the compliance limit is equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., 0.5 ug/l for Method 608 or 0.00005 ug/l when Method 1668a is approved).

[10] Hardness. Cadmium, Chromium III, Copper, Lead, Nickel, Silver, and Zinc are Hardness Dependent.

[11] For a Dilution Factor (DF) from 1 to 5, metals limits are calculated using DF times the base limit for the metal. See Appendix IV. For example, iron limits are calculated using DF x 1,000ug/L (the iron base limit). Therefore DF is 1.5, the iron limit will be 1,500 ug/L; DF 2, then iron limit =1,000 x 2 =2,000 ug/L., etc. not to exceed the DF=5.

[12] Minimum Level (ML) is the lowest level at which the analytical system gives a recognizable signal and acceptable calibration point for the analyte. The ML represents the lowest concentration at which an analyte can be measured with a known level of confidence. The ML is calculated by multiplying the laboratory-determined method detection limit by 3.18 (see 40 CFR Part 136, Appendix B).

[13] pH sampling for compliance with permit limits may be performed using field methods as provided for in EPA test Method 150.1.

[14] Temperature sampling per Method 170.1

GeoInsight®
Environmental Strategy & Engineering
Practical in Nature

NHG 910055

Received 10/13/10

October 8, 2010

GeoInsight Project 6102-000

United States Environmental Protection Agency
Attn: Remediation General Permit NOI Processing
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912

Re: Remediation General Permit, Notice of Intent
General Electric Facility
130 Main Street
Somersworth, New Hampshire

To Whom It May Concern:

GeoInsight, Inc. prepared this National Pollution Discharge Elimination System Notice of Intent (NOI) for a Remediation General Permit (RGP) at the request of General Electric Company (GE). The RGP is necessary to regulate a discharge from a temporary oil abatement measure in place at the GE facility located at 130 Main Street in Somersworth, New Hampshire (the site). The site is located adjacent to the Salmon Falls River in Somersworth, New Hampshire.

The geographic location and the general layout of the site are shown on Figures 1 and 2, respectively. The design and location of the existing and proposed systems are illustrated on Figures 3, 4, and 5. The figures are included as attachments to the RGP NOI permit (enclosed).

Based upon the existing ground water analytical data for the project, treatment of total petroleum hydrocarbons, total suspended solids, and total residual chlorine appears to be necessary. Although iron is present in ground water at concentrations above the RGP recommended limits, a dilution calculation was performed (Attachment A of the NOI), and indicates that iron does not likely have the potential to adversely impact the Salmon Falls River.

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If you have questions regarding the information presented, please contact us in our Manchester, New Hampshire office at (603) 314-0820.

Sincerely,
GEOINSIGHT, INC.

Cheryl A. Brown, P.G.
Project Geologist

Michael F. Dacey, P.G., L.S.P.
Senior Project Hydrogeologist

Enclosure

cc: NHDES Water Division, Wastewater Engineering Bureau
Worthen Muzzey, NHDES, Oil Remediation and Compliance Bureau
David West, GE
Robert Frizzle, GE
Robert Belmore, Somersworth City Manager

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

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

a) Name of **facility/site**: General Electric Company		**Facility/site** mailing address:			
Location of **facility/site**: longitude: -70.86208 latitude: 43.2592	Facility SIC code(s): 3612 & 3825	Street: 130 Main Street			
b) Name of **facility/site owner:**		Town: Somersworth			
Email address of facility/site owner: Robert.Frizzle@ge.com		State: NH	Zip: 03878	County: Strafford	
Telephone no. of facility/site **owner**: 603-749-8550					
Fax no. of facility/site **owner**: 603-749-8174		**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: 603-314-0820				
GeoInsight, Inc.	**Operator** fax no.: 603-314-0821	**Operator** email: MFDacey@geoinc.com			
Operator contact name and title: Mike Dacey, Senior Project Hydrogeologist					
Address of **operator** (if different from owner):	Street: 186 Granite Street, 3rd Floor, Suite A				
Town: Manchester	State: NH	Zip: 03101	County: Hillsborough		

d) Check Y for "yes" or N for "no" for the following:
1. Has a prior NPDES permit exclusion been granted for the discharge? Y ○ N ⊙, if Y, number:
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge?
Y ○ N ⊙, if Y, date and tracking #:
3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Y ⊙ N ○
4. For sites in Massachusetts, is the discharge covered under the Massachusetts Contingency Plan (MCP) and exempt from state permitting? Y ○ N ○

e) Is site/facility subject to any State permitting, license, or other action which is causing the generation of discharge? Y ○ N ⊙
If Y, please list:
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:

f) Is the site/facility covered by any other EPA permit, including:
1. Multi-Sector General Permit? Y ⊙ N ○,
if Y, number: NHR05bo19
2. Final Dewatering General Permit? Y ○ N ⊙,
if Y, number:
3. EPA Construction General Permit? Y ○ N ⊙,
if Y, number:
4. Individual NPDES permit? Y ⊙ N ○,
if Y, number: NHG250317
5. any other water quality related individual or general permit? Y ⊙ N ○, if Y, number: Ind Sewer #124308

g) Is the site/facility located within or does it discharge to an Area of Critical Environmental Concern (ACEC)? Y ○ N ⊙

h) Based on the facility/site information and any historical sampling data, identify the sub-category into which the potential discharge falls.

Activity Category	**Activity Sub-Category**
I - Petroleum Related Site Remediation	A. Gasoline Only Sites ☐ B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) ☒ C. Petroleum Sites with Additional Contamination ☐
II - Non Petroleum Site Remediation	A. Volatile Organic Compound (VOC) Only Sites ☐ B. VOC Sites with Additional Contamination ☐ C. Primarily Heavy Metal Sites ☐
III - Contaminated Construction Dewatering	A. General Urban Fill Sites ☐ B. Known Contaminated Sites ☐

IV - Miscellaneous Related Discharges	A. Aquifer Pump Testing to Evaluate Formerly Contaminated Sites ☐ B. Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites ☐ C. Hydrostatic Testing of Pipelines and Tanks ☐ D. Long-Term Remediation of Contaminated Sumps and Dikes ☐ E. Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit) ☐

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

a) Describe the discharge activities for which the owner/applicant is seeking coverage:

(Attachment A)

b) Provide the following information about each discharge:

1) Number of discharge points: 1

2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft^3/s)?
Max. flow 0.02 Is maximum flow a **design value**? Y ⊙ N ○
Average flow (include units) 0.002 ft3/s Is average flow a design value or estimate? Estimate

3) Latitude and longitude of each discharge within 100 feet:

pt.1: lat	43.26026	long	70.86021	pt.2: lat.		long.	;
pt.3: lat		long		pt.4: lat.		long.	;
pt.5: lat		long		pt.6: lat.		long.	;
pt.7: lat		long		pt.8: lat.		long.	; etc.

4) If hydrostatic testing, total volume of the discharge (gals):

5) Is the discharge intermittent ⊙ or seasonal ○ ?
Is discharge ongoing? Y ⊙ N ○

c) Expected dates of discharge (mm/dd/yy): start 7/1/2010 end 10/1/2015

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). 1) Rain and ground water infiltration; 2) None; 3) (see Figure 3); 4) (see Figure 3).

3. Contaminant information.

a) Based on the sub-category selected (see Appendix III), indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (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)
1. Total Suspended Solids (TSS)		☐	☒	1	grab	SM 2540D	4,000	36,000			
2. Total Residual Chlorine (TRC)		☐	☒	1	grab	SM 4500-CL-(	200	272			
3. Total Petroleum Hydrocarbons (TPH)		☐	☒	1	grab	1664	5,000	8,520			
4. Cyanide (CN)	57125	☒	☐	1	grab	E 335.2	5				
5. Benzene (B)	71432	☒	☐	1	grab	SW 8260C	1				
6. Toluene (T)	108883	☒	☐	1	grab	SW 8260C	1				
7. Ethylbenzene (E)	100414	☒	☐	1	grab	SW 8260C	1				
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207	☒	☐	1	grab	SW 8260C	1				
9. Total BTEX [2]	n/a	☒	☐	1	grab	SW 8260C	1				
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) [3]	106934	☒	☐	1	grab	SW 8260C SIM	0.02				
11. Methyl-tert-Butyl Ether (MtBE)	1634044	☒	☐	1	grab	SW 8260C	1				
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650	☒	☐	1	grab	SW 8260C	20				

* Numbering system is provided to allow cross-referencing to Effluent Limits and Monitoring Requirements by Sub-Category included in Appendix III, as well as the Test Methods and Minimum Levels associated with each parameter provided in Appendix VI.

[2] BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

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

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (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)
13. tert-Amyl Methyl Ether (TAME)	9940508	☒	☐	1	grab	SW 8260C	1				
14. Naphthalene	91203	☐	☒	1	grab	SW 8260C	1	2.2			
15. Carbon Tetrachloride	56235	☒	☐	1	grab	SW 8260C	1				
16. 1,2 Dichlorobenzene (o-DCB)	95501	☒	☐	1	grab	SW 8260C	1				
17. 1,3 Dichlorobenzene (m-DCB)	541731	☒	☐	1	grab	SW 8260C	1				
18. 1,4 Dichlorobenzene (p-DCB)	106467	☒	☐	1	grab	SW 8260C	1				
18a. Total dichlorobenzene		☒	☐	1	grab	SW 8260C	1				
19. 1,1 Dichloroethane (DCA)	75343	☒	☐	1	grab	SW 8260C	1				
20. 1,2 Dichloroethane (DCA)	107062	☒	☐	1	grab	SW 8260C	1				
21. 1,1 Dichloroethene (DCE)	75354	☒	☐	1	grab	SW 8260C	1				
22. cis-1,2 Dichloroethene (DCE)	156592	☒	☐	1	grab	SW 8260C	1				
23. Methylene Chloride	75092	☒	☐	1	grab	SW 8260C	5				
24. Tetrachloroethene (PCE)	127184	☒	☐	1	grab	SW 8260C	1				
25. 1,1,1 Trichloro-ethane (TCA)	71556	☒	☐	1	grab	SW 8260C	1				
26. 1,1,2 Trichloro-ethane (TCA)	79005	☒	☐	1	grab	SW 8260C	1				
27. Trichloroethene (TCE)	79016	☒	☐	1	grab	SW 8260C	1				

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (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)
28. Vinyl Chloride (Chloroethene)	75014	☒	☐	1	grab	SW 8260C	1				
29. Acetone	67641	☒	☐	1	grab	SW 8260C	50				
30. 1,4 Dioxane	123911	☒	☐	1	grab	SW 8260C SIM	0.2				
31. Total Phenols	108952	☒	☐	1	grab	420.1	50				
32. Pentachlorophenol (PCP)	87865	☒	☐	1	grab	SW 8270D	5				
33. Total Phthalates (Phthalate esters) [4]		☒	☐	1	grab	SW 8270D	5				
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	117817	☒	☐	1	grab	SW 8270D	5				
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		☒	☐	1	grab	SW 8270D	5				
a. Benzo(a) Anthracene	56553	☒	☐	1	grab	SW 8270D	5				
b. Benzo(a) Pyrene	50328	☒	☐	1	grab	SW 8270D	5				
c. Benzo(b)Fluoranthene	205992	☒	☐	1	grab	SW 8270D	5				
d. Benzo(k)Fluoranthene	207089	☒	☐	1	grab	SW 8270D	5				
e. Chrysene	21801	☒	☐	1	grab	SW 8270D	5				
f. Dibenzo(a,h)anthracene	53703	☒	☐	1	grab	SW 8270D	5				
g. Indeno(1,2,3-cd) Pyrene	193395	☒	☐	1	grab	SW 8270D	5				
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		☒	☐	1	grab	SW 8270D	5				

[4] The sum of individual phthalate compounds.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (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)
h. Acenaphthene	83329	☒	☐	1	grab	SW 8270D	5				
i. Acenaphthylene	208968	☒	☐	1	grab	SW 8270D	5				
j. Anthracene	120127	☒	☐	1	grab	SW 8270D	5				
k. Benzo(ghi) Perylene	191242	☒	☐	1	grab	SW 8270D	5				
l. Fluoranthene	206440	☒	☐	1	grab	SW 8270D	5				
m. Fluorene	86737	☒	☐	1	grab	SW 8270D	5				
n. Naphthalene	91203	☒	☐	1	grab	SW 8270D	5				
o. Phenanthrene	85018	☒	☐	1	grab	SW 8270D	5				
p. Pyrene	129000	☒	☐	1	grab	SW 8270D	5				
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.	☒	☐	1	grab	SW 8082A	0.2				
38. Chloride	16887006	☐	☐								
39. Antimony	7440360	☒	☐	1	grab	200.9	10				
40. Arsenic	7440382	☒	☐	1	grab	200.7	20				
41. Cadmium	7440439	☒	☐	1	grab	200.7	10				
42. Chromium III (trivalent)	16065831	☐	☐								
43. Chromium VI (hexavalent)	18540299	☒	☐	1	grab	SM 3500-CrD	20				
44. Copper	7440508	☒	☐	1	grab	200.7	10				
45. Lead	7439921	☒	☐	1	grab	200.7	20				
46. Mercury	7439976	☒	☐	1	grab	245.1	0.2				
47. Nickel	7440020	☒	☐	1	grab	200.7	10				
48. Selenium	7782492	☒	☐	1	grab	200.9	5				
49. Silver	7440224	☒	☐	1	grab	200.7	10				
50. Zinc	7440666	☐	☒	1	grab	200.7	10	35			
51. Iron	7439896	☐	☒	1	grab	200.7	250	3,750			
Other (describe):		☐	☐								

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (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)
		☐	☐								
		☐	☐								

b) For discharges where **metals** are believed present, please fill out the following (attach results of any calculations):

Step 1: Do any of the metals in the influent exceed the effluent limits in Appendix III (i.e., the limits set at zero dilution)? Y ⊙ N ○	If yes, which metals? Iron
Step 2: For any metals which 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? Metal: Iron DF: 1,292.4 Metal: DF: Metal: DF: Metal: DF: Etc.	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 Y, list which metals:

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:

(Attachment A)

b) Identify each applicable treatment unit (check all that apply):	Frac. tank ☐	Air stripper ☐	Oil/water separator ☐	Equalization tanks ☐	Bag filter ☐	GAC filter ☐
	Chlorination ☐	De-chlorination ☐	Other (please describe):	Collection container and adsorptive materials		

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 1 gpm Maximum flow rate of treatment system 10 gpm
Design flow rate of treatment system 10 gpm

d) A description of chemical additives being used or planned to be used (attach MSDS sheets):

None.

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

a) Identify the discharge pathway:	Direct to receiving water ☒	Within facility (sewer) ☐	Storm drain ☐	Wetlands ☐	Other (describe):

b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:

Intermittent direct discharge to the Salmon Falls River.

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.

d) Provide the state water quality classification of the receiving water Class B

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 28.7 at the City POTW 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? Y ⊙ N ○ If yes, for which pollutant(s)? MERCURY

Is there a final TMDL? Y ○ N ⊙ If yes, for which pollutant(s)? There is no final TMDL, but the impaired water pollutant is Mercury.

6. ESA and NHPA Eligibility.

Please provide the following information according to requirements of Permit Parts I.A.4 and I.A.5 Appendices II and VII.

a) Using the instructions in Appendix VII and information on Appendix II, under which criterion listed in Part I.C are you eligible for coverage under this general permit?

A ⊙ B O C O D O E O F O

b) If you selected Criterion D or F, has consultation with the federal services been completed? Y O N O Underway O

c) If consultation with U.S. Fish and Wildlife Service and/or NOAA Fisheries Service was completed, was a written concurrence finding that the discharge is "not likely to adversely affect" listed species or critical habitat received? Y ⊙ N O

d) Attach documentation of ESA eligibility as described in the NOI instructions and required by Appendix VII, Part I.C, Step 4.

e) Using the instructions in Appendix VII, under which criterion listed in Part II.C are you eligible for coverage under this general permit?

1 O 2 ⊙ 3 O

f) If Criterion 3 was selected, attach all written correspondence with the State or Tribal historic preservation officers, including any terms and conditions that outline measures the applicant must follow to mitigate or prevent adverse effects due to activities regulated by the RGP.

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.

Figures 1-5

Attachment A = Attachment of Supporting Information for the Remediation General Permit Notice of Intent

Attachment B = Laboratory Analytical Reports - September 2010

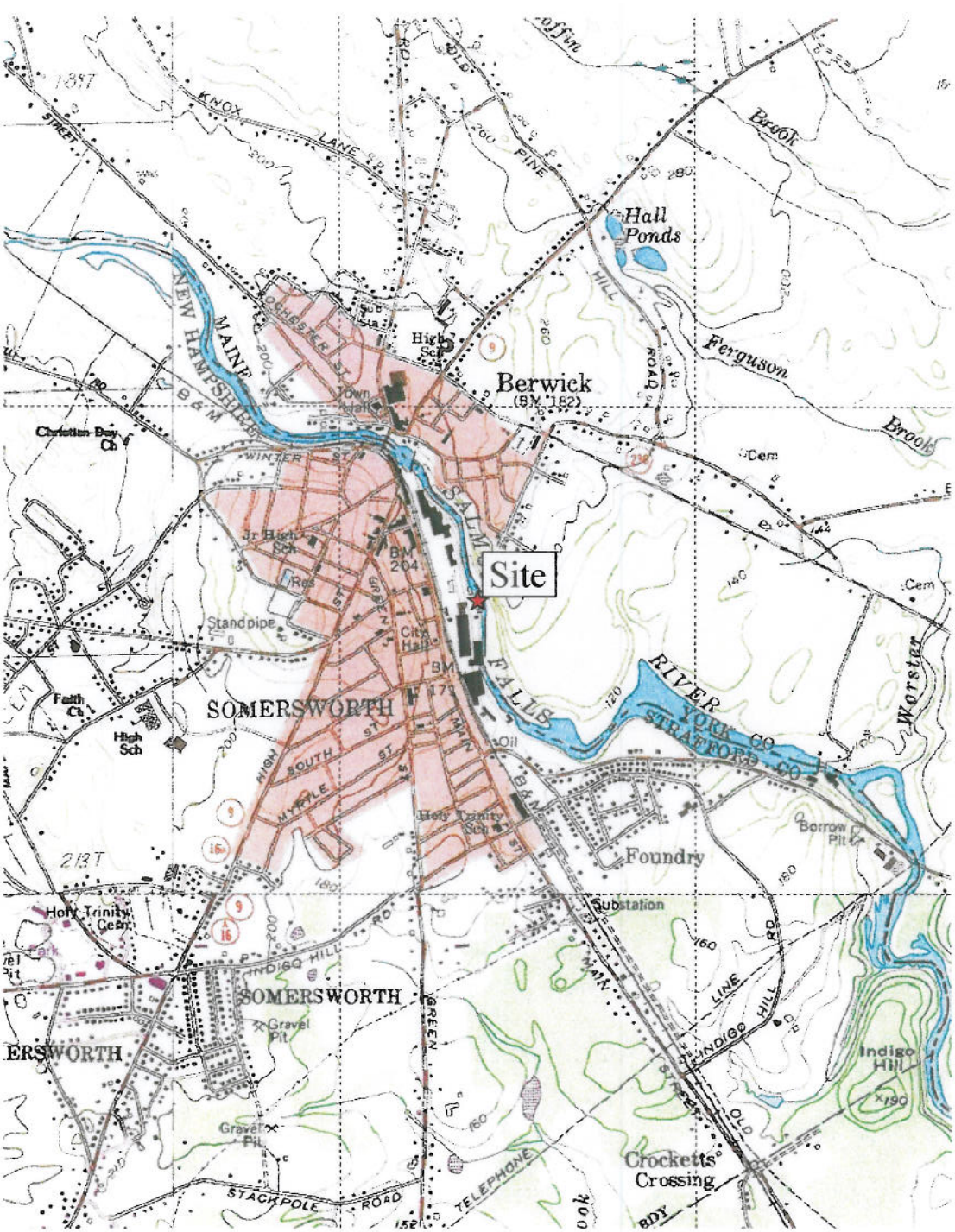
Attachment C = United States Fish and Wildlife Service Inquiry and Supporting Information

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:	General Electric Company
Operator signature:	
Printed Name &Title:	Michael Dacey, Senior Project Hydrogeologist (GeoInsight, Inc.)
Date:	10/7/2010

FIGURES



SOURCE:

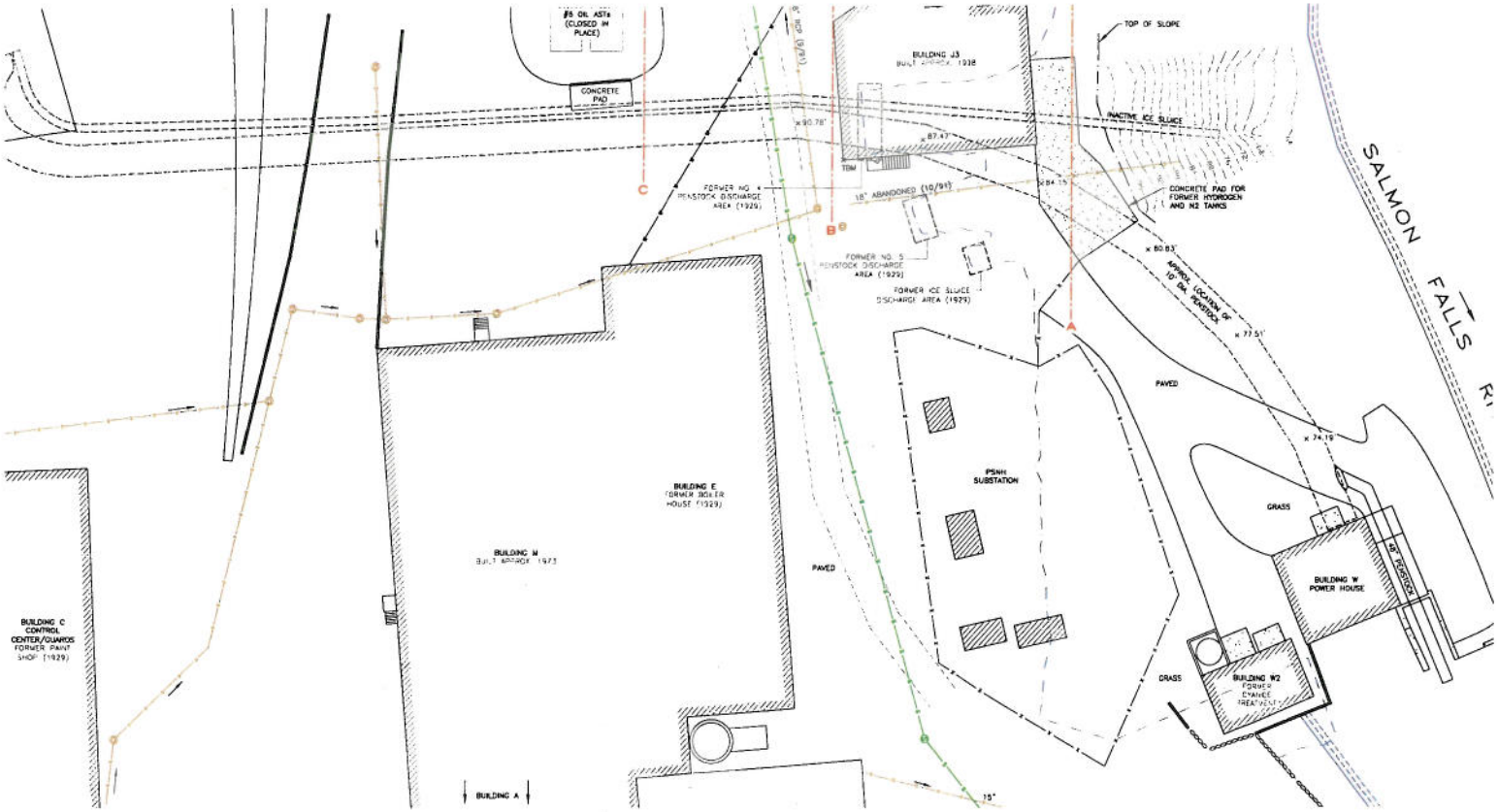
USGS SOMERSWORTH, NH QUADRANGLE
CONTOUR INTERVAL: 20 FEET

0 2000 4000
APPROX. SCALE IN FEET

CLIENT: GENERAL ELECTRIC COMPANY			
PROJECT: GENERAL ELECTRIC FACILITY SOMERSWORTH, NEW HAMPSHIRE			
TITLE: SITE LOCUS			
DESIGNED: CAEB	DRAWN: STM	CHECKED: MFD	APPROVED: MFD
SCALE: 1" = 2000'	DATE: 08/26/10	FILE NO.: 6102-LOCUS	PROJECT NO.: 6102-000
FIGURE NO.: 1			

GeoInsight
Practical in Nature

PLOT DATE: 8-26-10
FILE: I:\6102\6102-LOCUS.dwg



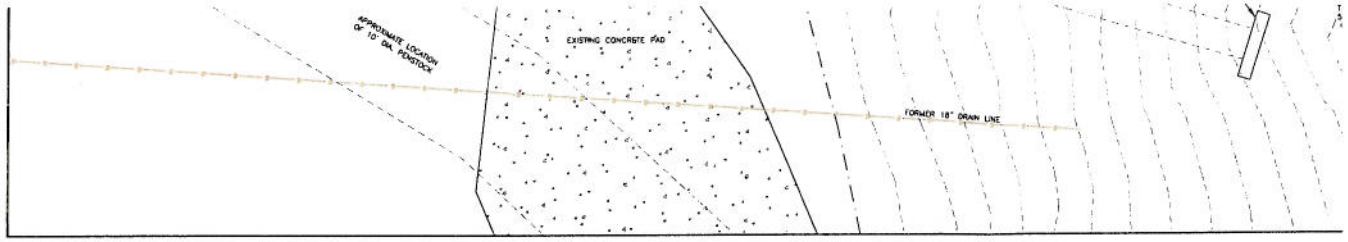
BER 16, 1996
BY CML
BY CML
OF NEW
PARED BY
VICE COMPANY

LEGEND

- CITY SANITARY SEWER
- DRAIN LINE
- WATER LINE
- EXISTING EDGE OF RIVER
- FORMER EDGE OF RIVER (APPROX. 1929)
- A—A' CROSS SECTION LINE
- RETAINING WALL
- STONE WALL
- CONCRETE PAD
- EXISTING BUILDING FOOTPRINT
- FORMER BUILDING FOOTPRINT
- x 87.47 TOP OF PENSTOCK ELEVATION (DERIVED FROM EXISTING DATA AND CORRECTED TO REFLECT NEW DATUM)
- EXISTING TOPOGRAPHIC CONTOUR (SEPTEMBER 2010 SURVEY)
- x TBM TEMPORARY BENCHMARK (TOP OF PAVEMENT, SOUTHWEST CORNER OF BUILDING J3 SET AT 100.00')

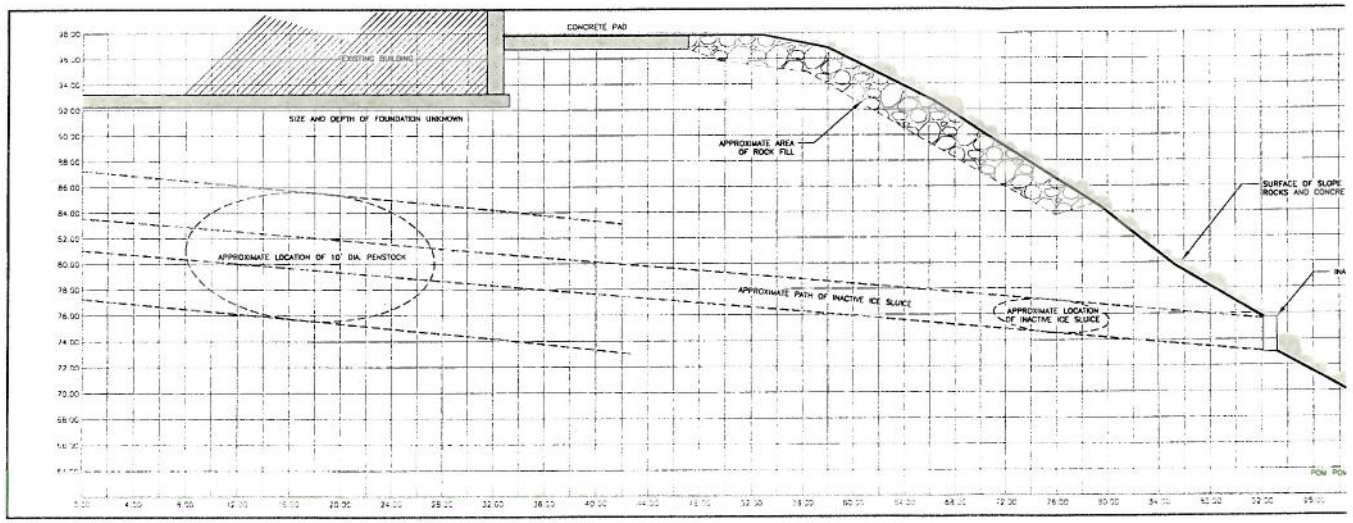
0 20 40
APPROX. SCALE IN FEET

CLIENT: GENERAL ELECTRIC COMPAN			
PROJECT: GENERAL ELECTRIC FACILITY SOMERSWORTH, NEW HAMPSHI			
TITLE: SITE PLAN			
DESIGNED: MFD	DRAWN: STM	CHECKED: MFD	APPROV
SCALE: AS NOTED	DATE: 09/23/10	FILE NO.: 61020006	PROJEC 610



SLOPE PLAN VIEW

(22x34) SCALE: 1" = 5'-0"



SLOPE PROFILE

(22x34) SCALE: 1" = 5'-0"

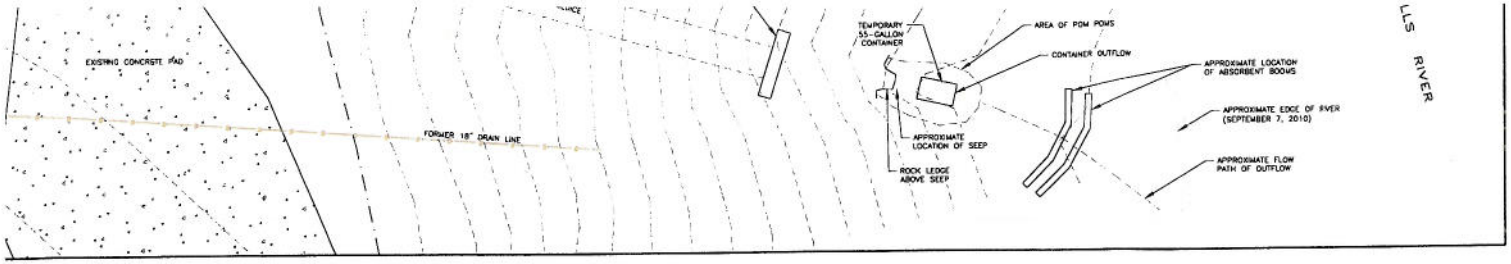
NOTES:

1. THE FEATURES DEPICTED ON THIS SITE PLAN WERE LOCATED USING A TOTAL STATION SURVEY PERFORMED ON SEPTEMBER 7, 2010 BY GEOINSIGHT. ALL FEATURES SHOULD BE CONSIDERED APPROXIMATE.

LEGEND

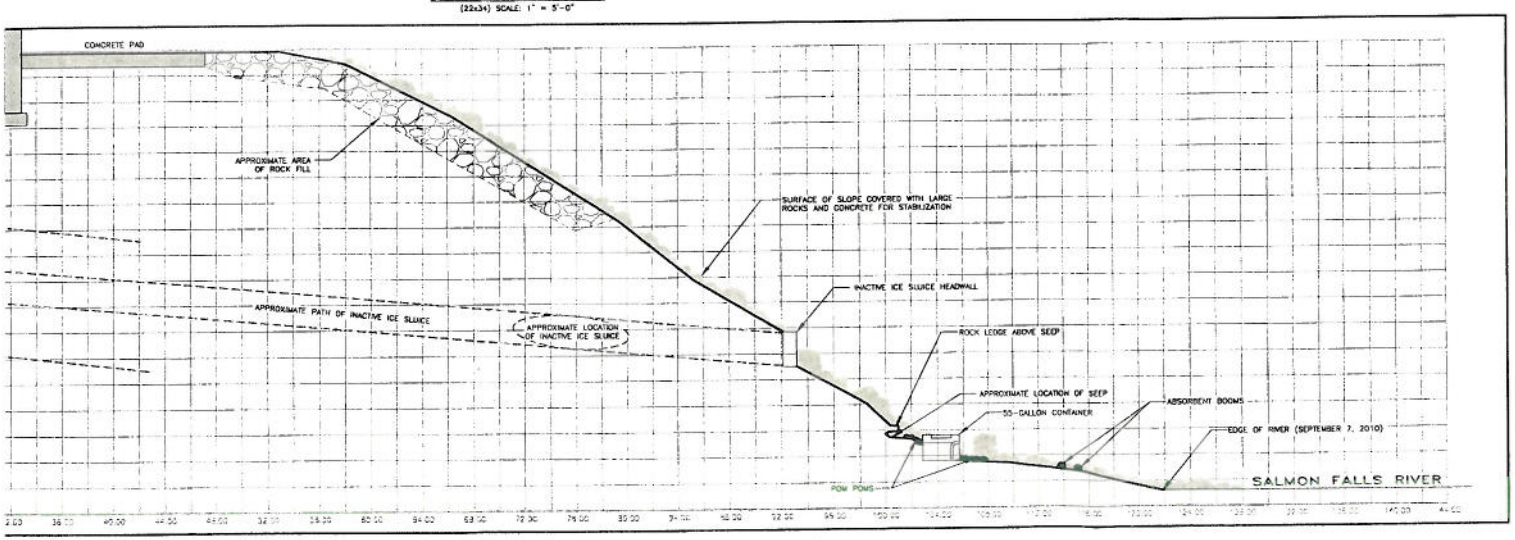
EXISTING TOPOGRAPHIC CONTOUR (SEPTEMBER 2010 SURVEY)

APPROX. SCALE IN FEET



SLOPE PLAN VIEW

(22x34) SCALE: 1" = 5'-0"



SLOPE PROFILE

(22x34) SCALE: 1" = 5'-0"

OPOGRAPHIC CONTOUR
R 2010 SURVEY)

APPROX. SCALE IN FEET

CLIENT: GENERAL ELECTRIC COMPANY			
PROJECT: GENERAL ELECTRIC FACILITY SOMERSWORTH, NEW HAMPSHIRE			
TITLE: EXISTING SLOPE PLAN VIEW AND PROFILE			
DESIGNED: MFD	DRAWN: STM	CHECKED: MFD	APPROVED: BDK
SCALE: AS NOTED	DATE: 09/23/10	FILE NO.: 61020007	PROJECT NO.: 6102-000

GeoInsight
Practical in Nature

FIGURE NO.: 3

317 Elm Street
Milford, NH 03055
(603) 673-5440
Sales@chemservelab.com

GeoInsight Inc.
Cheryl Brown
186 Granite St. 3rd Floor Suite A
Manchester NH 03103

Control #: 85074,85073
Project Number: 6102-000
Project Name: GE Somersworth
Project Location: Somersworth, NH

Analytical Results

Lab ID: 10090221
Date: 9/27/2010

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090221-002	EPA 1664	Seep	mg/L	Wastewater	PaulF

Start Date/Time Sampled: 9/17/2010 10:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Oil & Grease Total		8.52 mg/L		9/21/2010	1	5

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090221-002	EPA 200.7	Seep	mg/L	Wastewater	HeatherM

Start Date/Time Sampled: 9/17/2010 10:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Arsenic	7440-38-2	< 20 < 0.02 mg/L		9/22/2010	0.2	0.02
Cadmium	7440-43-9	< 10 < 0.01 mg/L		9/22/2010	1	0.01
Chromium	7440-47-3	< 10 < 0.01 mg/L		9/22/2010	1	0.01
Copper	7440-50-8	< 10 < 0.01 mg/L		9/22/2010	1	0.01
Hot Plate Digestion				9/21/2010	1	0
Iron	7439-89-6	3,750 3.75 mg/L		9/22/2010	5	0.25
Lead	7439-92-1	< 20 < 0.02 mg/L		9/22/2010	0.4	0.02
Nickel	7440-02-0	< 10 < 0.01 mg/L		9/22/2010	1	0.01
Silver	7440-22-4	< 10 < 0.01 mg/L		9/22/2010	1	0.01
Zinc	7440-66-6	< 35 0.035 mg/L		9/22/2010	1	0.01

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090221-002	EPA 200.9	Seep	mg/L	Wastewater	HeatherM

Start Date/Time Sampled: 9/17/2010 10:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Antimony GFAA	7440-36-0	< 0.01 mg/L		9/23/2010	2	0.01
Selenium GFAA	7782-49-2	< 0.005 mg/L		9/23/2010	1	0.005

ChemServe ENVIRONMENTAL ANALYSTS

317 Elm Street
Milford, NH 03055
(603) 673-5440
Sales@chemservelab.com

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090221-002	EPA 245.1	Seep	mg/L	Wastewater	HeatherM

Start Date/Time Sampled: 9/17/2010 10:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Mercury	7439-97-6	< 0.0002 mg/L		9/21/2010	1	0.0002

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090221-002	EPA 420.1	Seep	mg/L	Wastewater	LauraB

Start Date/Time Sampled: 9/17/2010 10:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Phenol	108-95-2	< 0.05 mg/L		9/22/2010	1	0.05

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090221-002	SM 2540D	Seep	mg/L	Wastewater	LauraB

Start Date/Time Sampled: 9/17/2010 10:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Total Suspended Solids		36.0 mg/L		9/21/2010	1	4

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090221-002	SM 3500-CrD	Seep	mg/L	Wastewater	LauraB

Start Date/Time Sampled: 9/17/2010 10:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Hexavalent Chromium	7440-47-3	< 0.02 mg/L		9/17/2010 4:30:00 PM	1	0.02

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090221-002	SM 4500-CL-G	Seep	mg/L	Wastewater	

Start Date/Time Sampled: 9/17/2010 10:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Total Residual Chlorine		0.272 mg/L		9/17/2010 3:40:00 PM	1	0.2

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090221-002	SM 4500-CN-E	Seep	mg/L	Wastewater	LauraB

Start Date/Time Sampled: 9/17/2010 10:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Cyanide	57-12-5	< 0.02 mg/L		9/21/2010	1	0.02

317 Elm Street
Milford, NH 03055
(603) 673-5440
Sales@chemservelab.com

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090221-002	SW 8260C	Seep	ug/L	Wastewater	ChrisK

Start Date/Time Sampled: 9/17/2010 10:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,1,1,2-Tetrachloroethane	630-20-6	< 1 ug/L		9/24/2010	1	1
1,1,1-Trichloroethane	71-55-6	< 1 ug/L		9/24/2010	1	1
1,1,2,2-Tetrachloroethane	79-34-5	< 1 ug/L		9/24/2010	1	1
1,1,2-Trichloroethane	79-00-5	< 1 ug/L		9/24/2010	1	1
1,1-Dichloroethane	75-34-3	< 1 ug/L		9/24/2010	1	1
1,1-Dichloroethene	75-35-4	< 1 ug/L		9/24/2010	1	1
1,1-Dichloropropene	563-58-6	< 1 ug/L		9/24/2010	1	1
1,2,3-Trichlorobenzene	87-61-6	< 1 ug/L		9/24/2010	1	1
1,2,3-Trichloropropane	96-18-4	< 1 ug/L		9/24/2010	1	1
1,2,4-Trichlorobenzene	120-82-1	< 1 ug/L		9/24/2010	1	1
1,2,4-Trimethylbenzene	95-63-6	< 1 ug/L		9/24/2010	1	1
1,2-Dibromo-3-Chloropropane	96-12-8	< 1 ug/L		9/24/2010	1	1
1,2-Dibromoethane	106-93-4	< 1 ug/L		9/24/2010	1	1
1,2-Dichlorobenzene	95-50-1	< 1 ug/L		9/24/2010	1	1
1,2-Dichloroethane	107-06-2	< 1 ug/L		9/24/2010	1	1
1,2-Dichloropropane	78-87-5	< 1 ug/L		9/24/2010	1	1
1,3,5-Trimethylbenzene	108-67-8	< 1 ug/L		9/24/2010	1	1
1,3-Dichlorobenzene	541-73-1	< 1 ug/L		9/24/2010	1	1
1,3-Dichloropropane	142-28-9	< 1 ug/L		9/24/2010	1	1
1,4-Dichlorobenzene	106-46-7	< 1 ug/L		9/24/2010	1	1
1,4-Dioxane	123-91-1	< 1 ug/L		9/24/2010	1	1
2,2,4-Trimethyl Pentane	540-84-1	< 1 ug/L		9/24/2010	1	1
2,2-Dichloropropane	594-20-7	< 1 ug/L		9/24/2010	1	1
2-Butanone	78-93-3	< 25 ug/L		9/24/2010	1	25
2-Chloroethyl Vinyl Ether	110-75-8	< 20 ug/L		9/24/2010	1	20
2-Chlorotoluene	95-49-8	< 1 ug/L		9/24/2010	1	1
2-Ethoxy-2-Methyl Propane (ETBE)	637-92-3	< 1 ug/L		9/24/2010	1	1
2-Hexanone	591-78-6	< 25 ug/L		9/24/2010	1	25
2-Methoxy-2-Methyl Butane (TAME)	994-05-8	< 1 ug/L		9/24/2010	1	1
2-Methoxy-2-Methyl Propane (MTBE)	1634-04-4	< 1 ug/L		9/24/2010	1	1
2-Methyl Pentane	107-83-5	< 1 ug/L		9/24/2010	1	1
2-Methyl-2-Propanol (TBA)	75-65-0	< 20 ug/L		9/24/2010	1	20

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Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090221-002	SW 8260C	Seep	ug/L	Wastewater	ChrisK

Start Date/Time Sampled: 9/17/2010 10:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
4-Chlorotoluene	106-43-4	< 1 ug/L		9/24/2010	1	1
4-Isopropyltoluene	99-87-6	< 1 ug/L		9/24/2010	1	1
4-Methyl-2-Pentanone	108-10-1	< 25 ug/L		9/24/2010	1	25
Acetone	67-64-1	< 50 ug/L		9/24/2010	1	50
Acrolein	107-02-8	< 50 ug/L		9/24/2010	1	50
Acrylonitrile	107-13-1	< 50 ug/L		9/24/2010	1	50
Benzene	71-43-2	< 1 ug/L		9/24/2010	1	1
Bromobenzene	108-86-1	< 1 ug/L		9/24/2010	1	1
Bromochloromethane	74-97-5	< 1 ug/L		9/24/2010	1	1
Bromodichloromethane	75-27-4	< 1 ug/L		9/24/2010	1	1
Bromoform	75-25-2	< 1 ug/L		9/24/2010	1	1
Bromomethane	74-83-9	< 1 ug/L		9/24/2010	1	1
Carbon Disulfide	75-15-0	< 1 ug/L		9/24/2010	1	1
Carbon Tetrachloride	56-23-5	< 1 ug/L		9/24/2010	1	1
Chlorobenzene	108-90-7	< 1 ug/L		9/24/2010	1	1
Chloroethane	75-00-3	< 1 ug/L		9/24/2010	1	1
Chloroform	67-66-3	< 1 ug/L		9/24/2010	1	1
Chloromethane	74-87-3	< 1 ug/L		9/24/2010	1	1
Cis-1,2-Dichloroethene	156-59-2	< 1 ug/L		9/24/2010	1	1
Cis-1,3-Dichloropropene	10061-01-5	< 1 ug/L		9/24/2010	1	1
Dibromochloromethane	124-48-1	< 1 ug/L		9/24/2010	1	1
Dibromomethane	74-95-3	< 1 ug/L		9/24/2010	1	1
Dichlorodifluoromethane	75-71-8	< 1 ug/L		9/24/2010	1	1
Diethyl Ether	60-29-7	< 5 ug/L		9/24/2010	1	5
Di-Isopropyl Ether	108-20-3	< 1 ug/L		9/24/2010	1	1
Ethylbenzene	100-41-4	< 1 ug/L		9/24/2010	1	1
Hexachlorobutadiene	87-68-3	< 1 ug/L		9/24/2010	1	1
Isopropylbenzene	98-82-8	< 1 ug/L		9/24/2010	1	1
M/P-Xylene		< 1 ug/L		9/24/2010	1	1
Methylene Chloride	75-09-2	< 5 ug/L		9/24/2010	1	5
Naphthalene	91-20-3	2.2 ug/L		9/24/2010	1	1
N-Butylbenzene	104-51-8	< 1 ug/L		9/24/2010	1	1

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Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090221-002	SW 8260C	Seep	ug/L	Wastewater	ChrisK

Start Date/Time Sampled: 9/17/2010 10:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
N-Propylbenzene	103-65-1	< 1 ug/L		9/24/2010	1	1
O-Xylene	95-47-6	< 1 ug/L		9/24/2010	1	1
Sec-Butylbenzene	135-98-8	< 1 ug/L		9/24/2010	1	1
Styrene	100-42-5	< 1 ug/L		9/24/2010	1	1
Tert-Butylbenzene	98-06-6	< 1 ug/L		9/24/2010	1	1
Tetrachloroethene	127-18-4	< 1 ug/L		9/24/2010	1	1
Tetrahydrofuran	109-99-9	< 5 ug/L		9/24/2010	1	5
Toluene	108-88-3	< 1 ug/L		9/24/2010	1	1
Trans-1,2-Dichloroethene	156-60-5	< 1 ug/L		9/24/2010	1	1
Trans-1,3-Dichloropropene	10061-02-6	< 1 ug/L		9/24/2010	1	1
Trichloroethene	79-01-6	< 1 ug/L		9/24/2010	1	1
Trichlorofluoromethane	75-69-4	< 1 ug/L		9/24/2010	1	1
Vinyl Chloride	75-01-4	< 1 ug/L		9/24/2010	1	1

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090221-002	SW 8260C SIM	Seep	ug/L	Wastewater	ChrisK

Start Date/Time Sampled: 9/17/2010 10:40:00 AM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,2-Dibromo-3-Chloropropane	96-12-8	< 0.2 ug/L		9/25/2010	1	0.2
1,2-Dibromoethane	106-93-4	< 0.02 ug/L		9/25/2010	1	0.02
1,4-Dioxane	123-91-1	< 0.2 ug/L		9/25/2010	1	0.2

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GeoInsight Inc.
Cheryl Brown
186 Granite St. 3rd Floor Suite A
Manchester NH 03103

Control #: 85082
Project Number: 6102-000
Project Name: GE Somersworth
Project Location: Somersworth, NH

Analytical Results

Lab ID: 10090280
Date: 9/24/2010

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090280-001	SW 3510C	Seep		Groundwater	CalebH

Start Date/Time Sampled: 9/21/2010 2:15:00 PM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Extraction 8270C				9/23/2010	1	0
Extraction Sw 8082				9/23/2010	1	0

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090280-001	SW 8082A	Seep	ug/L	Groundwater	ChrisK

Start Date/Time Sampled: 9/21/2010 2:15:00 PM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Aroclor 1016/1242		< 0.2 ug/L		9/23/2010	1	0.2
Aroclor 1221	11104-28-2	< 0.2 ug/L		9/23/2010	1	0.2
Aroclor 1232	11141-16-5	< 0.2 ug/L		9/23/2010	1	0.2
Aroclor 1248	12672-29-6	< 0.2 ug/L		9/23/2010	1	0.2
Aroclor 1254	11097-69-1	< 0.2 ug/L		9/23/2010	1	0.2
Aroclor 1260	11096-82-5	< 0.2 ug/L		9/23/2010	1	0.2

Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090280-001	SW 8270D	Seep	ug/L	Groundwater	ChrisK

Start Date/Time Sampled: 9/21/2010 2:15:00 PM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
1,2,4-Trichlorobenzene	120-82-1	< 5 ug/L		9/23/2010	0.5	5
1,2-Dichlorobenzene	95-50-1	< 5 ug/L		9/23/2010	0.5	5
1,2-Diphenylhydrazine (As Azobenzene)	122-66-7	< 5 ug/L		9/23/2010	0.5	5
1,3-Dichlorobenzene	541-73-1	< 5 ug/L		9/23/2010	0.5	5
1,4-Dichlorobenzene	106-46-7	< 5 ug/L		9/23/2010	0.5	5
2,4,5-Trichlorophenol	95-95-4	< 5 ug/L		9/23/2010	0.5	5
2,4,6-Trichlorophenol	88-06-2	< 5 ug/L		9/23/2010	0.5	5
2,4-Dichlorophenol	120-83-2	< 5 ug/L		9/23/2010	0.5	5
2,4-Dimethylphenol	105-67-9	< 5 ug/L		9/23/2010	0.5	5
2,4-Dinitrophenol	51-28-5	< 5 ug/L		9/23/2010	0.5	5

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Sample	Method	Client Sample Identity	Units	Matrix	Analyst
10090280-001	SW 8270D	Seep	ug/L	Groundwater	ChrisK

Start Date/Time Sampled: 9/21/2010 2:15:00 PM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
2,4-Dinitrotoluene	121-14-2	< 5 ug/L		9/23/2010	0.5	5
2,6-Dinitrotoluene	606-20-2	< 5 ug/L		9/23/2010	0.5	5
2-Chloronaphthalene	91-58-7	< 5 ug/L		9/23/2010	0.5	5
2-Chlorophenol	95-57-8	< 5 ug/L		9/23/2010	0.5	5
2-Methylnaphthalene	91-57-6	< 5 ug/L		9/23/2010	0.5	5
2-Methylphenol	95-48-7	< 5 ug/L		9/23/2010	0.5	5
2-Nitroaniline	88-74-4	< 5 ug/L		9/23/2010	0.5	5
2-Nitrophenol	88-75-5	< 5 ug/L		9/23/2010	0.5	5
3&4-Methylphenol		< 5 ug/L		9/23/2010	0.5	5
3,3-Dichlorobenzidine	91-94-1	< 5 ug/L		9/23/2010	0.5	5
3-Nitroaniline	99-09-2	< 5 ug/L		9/23/2010	0.5	5
4,6-Dinitro-2-Methylphenol	534-52-1	< 5 ug/L		9/23/2010	0.5	5
4-Bromophenyl Phenyl Ether	101-55-3	< 5 ug/L		9/23/2010	0.5	5
4-Chloro-3-Methylphenol	59-50-7	< 5 ug/L		9/23/2010	0.5	5
4-Chloroaniline	106-47-8	< 5 ug/L		9/23/2010	0.5	5
4-Chlorophenyl Phenyl Ether	7005-72-3	< 5 ug/L		9/23/2010	0.5	5
4-Nitroaniline	100-01-6	< 5 ug/L		9/23/2010	0.5	5
4-Nitrophenol	100-02-7	< 5 ug/L		9/23/2010	0.5	5
Acenaphthene	83-32-9	< 5 ug/L		9/23/2010	0.5	5
Acenaphthylene	208-96-8	< 5 ug/L		9/23/2010	0.5	5
Aniline		< 5 ug/L		9/23/2010	0.5	5
Anthracene	120-12-7	< 5 ug/L		9/23/2010	0.5	5
Benzo[A]Anthracene	56-55-3	< 5 ug/L		9/23/2010	0.5	5
Benzo[A]Pyrene	50-32-8	< 5 ug/L		9/23/2010	0.5	5
Benzo[B]Fluoranthene	205-99-2	< 5 ug/L		9/23/2010	0.5	5
Benzo[G,H,I]Perylene	191-24-2	< 5 ug/L		9/23/2010	0.5	5
Benzo[K]Fluoranthene	207-08-9	< 5 ug/L		9/23/2010	0.5	5
Benzoic Acid	65-85-0	< 5 ug/L	LL	9/23/2010	0.5	5
Benzyl Alcohol	100-51-6	< 5 ug/L		9/23/2010	0.5	5
Bis(2-Chloroethoxy)Methane	111-91-1	< 5 ug/L		9/23/2010	0.5	5
Bis(2-Chloroethyl)Ether	111-44-4	< 5 ug/L		9/23/2010	0.5	5
Bis(2-Chloroisopropyl)Ether	108-60-1	< 5 ug/L		9/23/2010	0.5	5

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10090280-001	SW 8270D	Seep	ug/L	Groundwater	ChrisK

Start Date/Time Sampled: 9/21/2010 2:15:00 PM **Composite End Date/Time:**

Parameter	CAS Number	Result	Qualifier	Date/Time Analyzed	Dilution Factor	RDL
Bis(2-Ethylhexyl)Phthalate	117-81-7	< 5 ug/L		9/23/2010	0.5	5
Butylbenzylphthalate	85-68-7	< 5 ug/L		9/23/2010	0.5	5
Chrysene	218-01-9	< 5 ug/L		9/23/2010	0.5	5
Dibenz[A,H]Anthracene	53-70-3	< 5 ug/L		9/23/2010	0.5	5
Dibenzofuran	132-64-9	< 5 ug/L		9/23/2010	0.5	5
Diethylphthalate	84-66-2	< 5 ug/L		9/23/2010	0.5	5
Dimethylphthalate	131-11-3	< 5 ug/L		9/23/2010	0.5	5
Di-N-Butylphthalate	84-74-2	< 5 ug/L		9/23/2010	0.5	5
Di-N-Octylphthalate	117-84-0	< 5 ug/L		9/23/2010	0.5	5
Fluoranthene	206-44-0	< 5 ug/L		9/23/2010	0.5	5
Fluorene	86-73-7	< 5 ug/L		9/23/2010	0.5	5
Hexachlorobenzene	118-74-1	< 5 ug/L		9/23/2010	0.5	5
Hexachlorobutadiene	87-68-3	< 5 ug/L		9/23/2010	0.5	5
Hexachlorocyclopentadiene	77-47-4	< 5 ug/L		9/23/2010	0.5	5
Hexachloroethane	67-72-1	< 5 ug/L		9/23/2010	0.5	5
Indeno[1,2,3-Cd]Pyrene	193-39-5	< 5 ug/L		9/23/2010	0.5	5
Isophorone	78-59-1	< 5 ug/L		9/23/2010	0.5	5
Naphthalene	91-20-3	< 5 ug/L		9/23/2010	0.5	5
Nitrobenzene	98-95-3	< 5 ug/L		9/23/2010	0.5	5
N-Nitrosodimethylamine	62-75-9	< 5 ug/L		9/23/2010	0.5	5
N-Nitroso-Di-N-Propylamine	621-64-7	< 5 ug/L		9/23/2010	0.5	5
N-Nitrosodiphenylamine	86-30-6	< 5 ug/L		9/23/2010	0.5	5
Pentachlorophenol	87-86-5	< 5 ug/L		9/23/2010	0.5	5
Phenanthrene	85-01-8	< 5 ug/L		9/23/2010	0.5	5
Phenol	108-95-2	< 5 ug/L		9/23/2010	0.5	5
Pyrene	129-00-0	< 5 ug/L		9/23/2010	0.5	5