Golder Associates Inc.

540 North Commercial Street, Suite 250
Manchester, NH USA 03101-1146
Telephone (603) 668-0880
Fax (603) 668-1199
www.golder.com

June 7, 2007

Our Ref.: 073-86844

US Environmental Protection Agency
RGP-NOC Processing
Municipal Assistance Unit (CMU)
1 Congress Street, Suite 1100
Boston, MA 02214-2023

Attention: Mr. Victor Alvarez

RE: REMEDIATION GENERAL PERMIT NOTICE OF INTENT
FORMER FOYE'S CORNER MARKET
5 PIONEER ROAD
RYE ROUNDABOUT PROJECT
RYE, NEW HAMPSHIRE
NHDOT PROJECT # 12595

Dear Mr. Alvarez:

Golder Associates Inc. (Golder) is pleased to submit this Remediation General Permit (RGP) Notice of Intent (NOI) to the United States Environmental Protection Agency (USEPA) for the above referenced project on behalf of the New Hampshire Department of Transportation (NHDOT). The purpose of this letter is to summarize NHDOT's NOI for the USEPA RGP and provide supplemental information required to complete the NOI application.

The scope of work for this project includes dewatering of an excavation within the NHDOT Right-of-Way for the purposes of constructing a drainage line and installation of a concrete structure. The purpose of the NOI will be to permit the discharge of treated groundwater produced during excavation dewatering into an unnamed intermittent stream. The intermittent stream discharges to Witch Creek.

Please contact Theresa Miller at (603) 668-0880 if you have any questions regarding this submittal.

Sincerely,

GOLDER ASSOCIATES INC.

Theresa A. Miller, P.G., LSP
Senior Hydrogeologist

Peter M. King, P.E., LSP, LEP
Associate and Manager, Manchester Operations

Attachments

cc: NHDOT-Bureau of Environment
NHDES-Water Division
Town of Rye

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:

<table>
<tr><td colspan="2">a) Name of facility/site:
NHDOT Right-of-Way at Former Foye's Corner Market - NHDOT Project #12595</td><td colspan="4">Facility/site address:
5 Pioneer Road
Rye, NH (See Figure 1)</td></tr>
<tr><td colspan="2">Location of facility/site:
longitude:_____ latitude:_____
longitude = -70.74616
latitude = 43.04599</td><td>Facility SIC code(s):</td><td colspan="3">Street:
Pioneer Road</td></tr>
<tr><td colspan="3">b) Name of facility/site owner: NH Dept of Transportation</td><td colspan="3">Town: Rye</td></tr>
<tr><td colspan="3">Email address of owner:
do'connell@dot.state.nh.us</td><td>State:
NH</td><td>Zip:
03870</td><td>County:
Rockingham</td></tr>
<tr><td colspan="3">Telephone no.of facility/site owner: (603) 271-3226</td><td colspan="3" rowspan="2">Owner is (check one): 1. Federal____ 2. State/Tribal ✓
3. Private_____ 4. other, if so, describe:</td></tr>
<tr><td colspan="3">Fax no. of facility/site owner: (603) 271-7199</td></tr>
<tr><td colspan="3">Address of owner (if different from site):</td><td colspan="3" rowspan="2">Street: 7 Hazen Drive, John O. Morton Building</td></tr>
<tr><td colspan="2">Town: Concord</td><td>State: NH</td><td>Zip: 03302</td><td colspan="2">County: Hillsborough</td></tr>
<tr><td colspan="2" rowspan="2">c) Legal name of operator:
Golder Associates Inc.</td><td colspan="4">Operator telephone no: (603) 668-0880</td></tr>
<tr><td colspan="2">Operator fax no.: (603) 668-1199</td><td colspan="2">Operator email:
pking@golder.com</td></tr>
<tr><td colspan="6">Operator contact name and title: Peter M. King, P.E., LSP, LEP - Associate</td></tr>
</table>

Address of **operator** (if different from owner):	Street: 540 North Commercial Street, Suite 250		
Town: Manchester	State: NH	Zip: 03101	County: Hillsborough

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

e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes___ No ✓ If "yes," 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 storm water general permit? Y___ N ✓, if Y, number: 2. phase I or II construction storm water general permit? Y___ N ✓, if Y, number: 3. individual NPDES permit? Y___ N ✓, if Y, number: 4. any other water quality related permit? Y___ N ✓, if Y, number:

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

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

Dewatering activities will generate groundwater during excavation in right-of-way for installation of utility lines. Groundwater will be stored in fractionation tanks then pumped through sedimentation filters to remove suspended solids and granular activated carbon filters to remove volatile organic compounds (VOCs) prior to discharge to a drainage line which discharges tinto the culvert of an unnamed receiving stream located directly north of the site. The unnamed receiving stream discharges to Witch Creek.

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 0.12 Average flow 0.06 Is maximum flow a **design value**? Y ✓ N___ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available. -70.74629 43.04543

3) Latitude and longitude of each discharge within 100 feet: pt.1:long._____ lat._____; pt.2: long._____ lat._____; pt.3: long._____ lat._____; pt.4:long._____ lat._____; pt.5: long._____ lat._____; pt.6:long._____ lat._____; pt.7: long._____ lat._____; pt.8:long._____ lat._____; etc.

4) If hydrostatic testing, total volume of the discharge (gals): N/A	5) Is the discharge intermittent ✓ or seasonal ____? Is discharge ongoing Yes ____ No ✓ ?
c) Expected dates of discharge (mm/dd/yy): start 06/25/07 end 12/31/07	
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 attached Figures 2 and 3.

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 min-imum)	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		✓	1	grab	160.2	5 mg/l				
2. Total Residual Chlorine	✓		1	grab	330.5	50 ug/l				
3. Total Petroleum Hydrocarbons	✓		1	grab	1664A	5 mg/l				
4. Cyanide	✓		1	grab	335.2	5 ug/l				
5. Benzene	✓		1	grab	8260B	1 ug/l				
6. Toluene	✓		1	grab	8260B	1 ug/l				
7. Ethylbenzene	✓		1	grab	8260B	1 ug/l				
8. (m,p,o) Xylenes	✓		1	grab	8260B	1 ug/l				
9. Total BTEX[4]	✓		1	grab	8260B					

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	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 (1,2- Dibromo-methane)	✓		1	grab	504	.02ug/l				
11. Methyl-tert-Butyl Ether (MtBE)	✓		1	grab	8260B	5 ug/l				
12. tert-Butyl Alcohol (TBA)	✓		1	grab	8260B	30 ug/l				
13. tert-Amyl Methyl Ether (TAME)	✓		1	grab	8260B	5 ug/l				
14. Naphthalene	✓		1	grab	8260B	5 ug/l				
15. Carbon Tetra-chloride	✓		1	grab	8260B	2 ug/l				
16. 1,4 Dichlorobenzene	✓		1	grab	8260B	1 ug/l				
17. 1,2 Dichlorobenzene	✓		1	grab	8260B	1 ug/l				
18. 1,3 Dichlorobenzene	✓		1	grab	8260B	1 ug/l				
19. 1,1 Dichloroethane	✓		1	grab	8260B	2 ug/l				
20. 1,2 Dichloroethane	✓		1	grab	8260B	2 ug/l				
21. 1,1 Dichloroethylene	✓		1	grab	8260B	1 ug/l				
22. cis-1,2 Dichloro-ethylene		✓	1	grab	8260B	2 ug/l	5			
23. Dichloromethane (Methylene Chloride)	✓		1	grab	8260B	5 ug/l				
24. Tetrachloroethylene		✓	1	grab	8260B	2 ug/l	190			

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	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	✓		1	grab	8260B	2 ug/l				
26. 1,1,2 Trichloroethane	✓		1	grab	8260B	2 ug/l				
27. Trichloroethylene		✓	1	grab	8260B	2 ug/l	13			
28. Vinyl Chloride	✓		1	grab	8260B	2 ug/l				
29. Acetone	✓		1	grab	8260B	10 ug/l				
30. 1,4 Dioxane	✓		1	grab	8260M	1 ug/l				
31. Total Phenols	✓		1	grab	8270C	5 ug/l				
32. Pentachlorophenol	✓		1	grab	8270C	5 ug/l				
33. Total Phthalates [5] (Phthalate esthers)	✓		1	grab	8270C	5 ug/l				
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	grab	8270C	5 ug/l				
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	grab	8270C	1 ug/l				
a. Benzo(a) Anthracene		✓	1	grab	8270C	0.1ug/l	0.3			
b. Benzo(a) Pyrene		✓	1	grab	8270C	0.1ug/l	0.1			
c. Benzo(b)Fluoranthene		✓	1	grab	8270C	0.1ug/l	0.3			
d. Benzo(k) Fluoranthene		✓	1	grab	8270C	0.1ug/l	0.2			
e. Chrysene		✓	1	grab	8270C	0.1ug/l	0.3			

[5] The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	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		✓	1	grab	8270C	0.1ug/l	0.1			
g. Indeno(1,2,3-cd) Pyrene		✓	1	grab	8270C	0.1ug/l	0.2			
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		✓	1	grab	8270C	0.1ug/l	1.5			
h. Acenaphthene	✓		1	grab	8270C	1 ug/l				
i. Acenaphthylene	✓		1	grab	8270C	1 ug/l				
j. Anthracene	✓		1	grab	8270C	1 ug/l				
k. Benzo(ghi) Perylene		✓	1	grab	8270C	0.1ug/l	0.1			
l. Fluoranthene	✓		1	grab	8270C	1 ug/l				
m. Fluorene	✓		1	grab	8270C	1 ug/l				
n. Naphthalene-	✓		1	grab	8270C	1 ug/l				
o. Phenanthrene	✓		1	grab	8270C	1 ug/l				
p. Pyrene	✓		1	grab	8270C	1 ug/l				
37. Total Polychlorinated Biphenyls (PCBs)	✓		1	grab	608	1 ug/l				
38. Antimony	✓		1	grab	200.8	1 ug/l				
39. Arsenic		✓	1	grab	200.8	0.1ug/l	0.3			
40. Cadmium		✓	1	grab	200.8	0.1ug/l	0.2			
41. Chromium III	✓		1	grab	200.8	10 ug/l				
42. Chromium VI	✓		1	grab	7196A	10 ug/l				

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	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	✓		1	grab	200.8	1 ug/l				
44. Lead		✓	1	grab	200.8	0.1ug/l	0.3			
45. Mercury	✓		1	grab	200.8	0.1ug/l				
46. Nickel		✓	1	grab	200.8	1 ug/l	6			
47. Selenium	✓		1	grab	200.8	1 ug/l				
48. Silver	✓		1	grab	200.8	0.1ug/l				
49. Zinc		✓	1	grab	200.8	5 ug/l	8			
50. Iron		✓	1	grab	200.8	50 ug/l	950			
Other (describe):										

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

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____ N ✓	If yes, which metals?
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:_____ DF: _____	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:

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:

Groundwater will be pumped from the open excavation into a fractionation tank then through a sedimentation filter to remove fines. Once the fines are removed the water will be pumped through granular activated carbon vessels before being discharged to a drainage line which discharges into the culvert of an unnamed receiving stream located directly north of the Site. The unnamed receiveing stream eventually discharges to Witch Creek. See attached Figures 2 and 3.

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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 25 Maximum flow rate of treatment system 50 Design flow rate of treatment system 50

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____	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:

The treatment system for the water will discharge to a a drainage line which discharges into the culvert of an unnamed stream located north of the Site. The unnamed stream discharges to Witch Creek.

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, 2 and 3.

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

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 0.0 cfs
Please attach any calculation sheets used to support stream flow and dilution calculations.

Unnamed stream is intermittent and is part of stormwater drainage system.

f) Is the receiving water a listed 303(d) water quality impaired or limited water? Yes ✓ No____ If yes, for which pollutant(s)?

- PCBs
- Dioxins
- Total Fecal Coliform

Is there a TMDL? Yes____ No ✓ If yes, for which pollutant(s)?

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? 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____ 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.

Laboratory analytical reports are attached.

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.

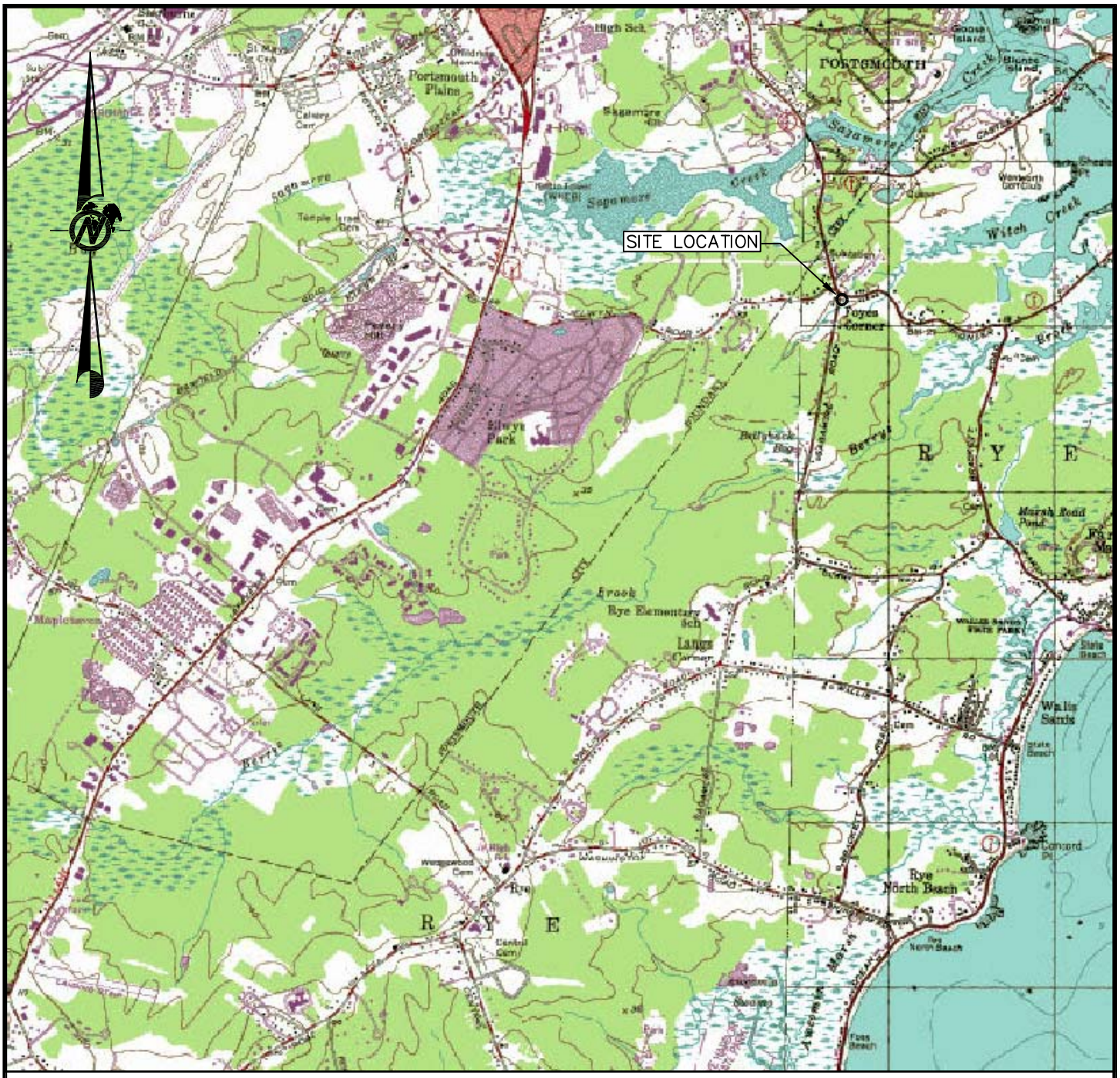
Facility/Site Name: NHDOT Right-of-Way at Former Foye's Corner Market - NHDOT Project #12595

Operator signature:

Title: Associate and Manager, Manchester Operations

Date: 6/7/07

FIGURES



REFERENCES

1:25,000 USGS QUADRANGLE TITLED, "PORTSMOUTH, NH" AND "KITTERY, ME" DATED 1985.

3000 0 3000

SCALE APPROXIMATE FEET

Golder Associates
Manchester, New Hampshire

SCALE	AS SHOWN
DATE	06/06/07
DESIGN	TAM
CADD	MPB
CHECK	
REVIEW	

FILE No. 07386844A003

PROJECT No. 073-86844 REV. 0

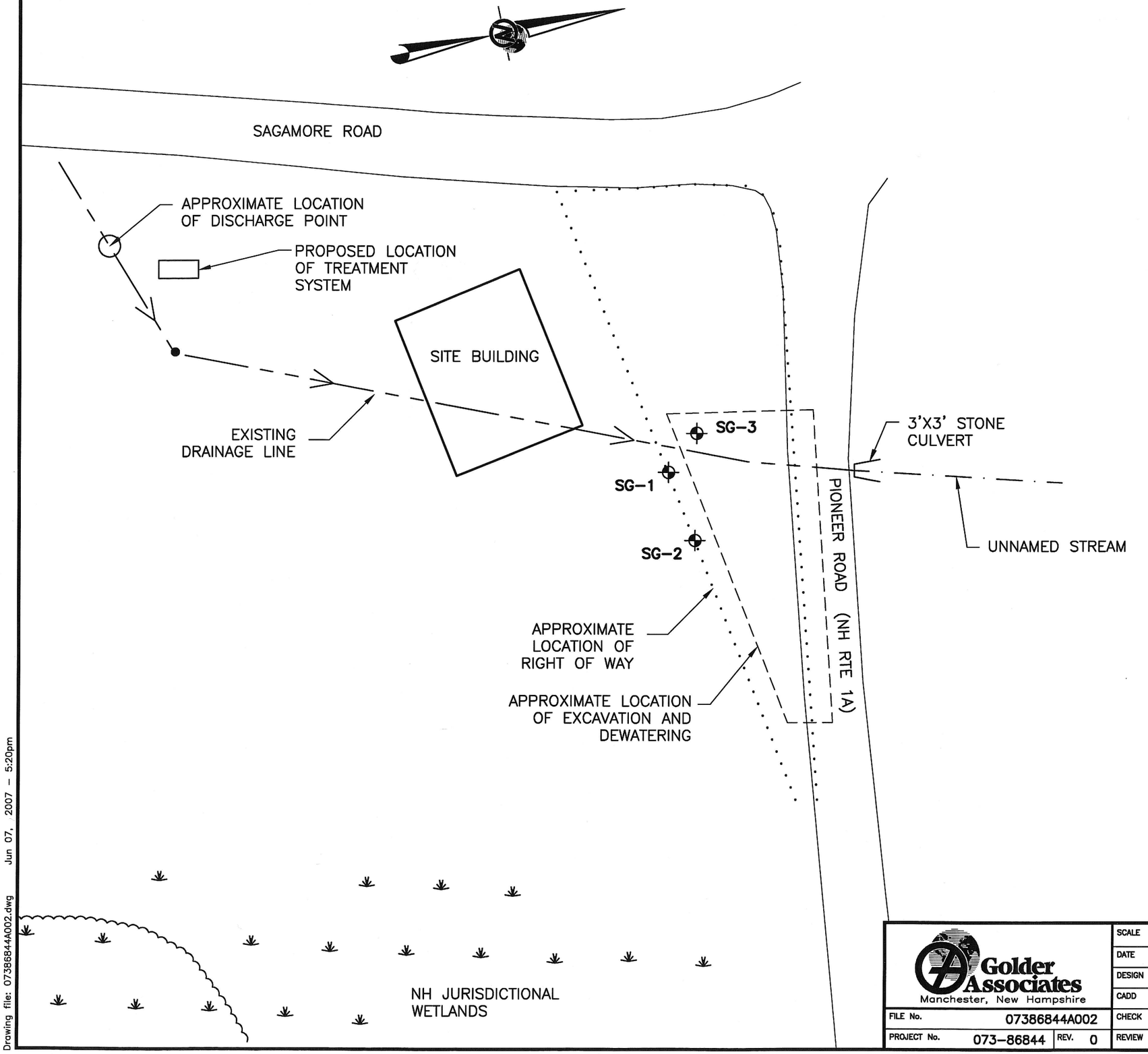
TITLE

SITE LOCATION PLAN

FORMER FOYE'S CORNER, RYE, NH

FIGURE 1

Drawing file: 07386844A003.dwg Jun 08, 2007 - 9:49am



LEGEND

- SG-2 — GEOPROBE WELL LOCATION
- APPROXIMATE RIGHT-OF-WAY LOCATION
- STORM DRAIN
- APPROXIMATE LOCATION OF EXCAVATION AND DEWATERING
- LOCATION OF EXISTING STORM DRAIN

NOTES

1.) FEATURES PROVIDED ON THIS FIGURE ARE APPROXIMATE.

REFERENCE

DRAWING TAKING FROM SHEVENELL-GALLEN DRAWING TITLED,"SITE PLAN SHOWING SITE CONDITIONS ON THE NORTHERN PORTION OF THE SUBJECT PROPERTY" DATED MARCH, 2002.

40 0 40
SCALE FEET

Golder Associates
Manchester, New Hampshire

FILE No.	07386844A002
PROJECT No.	073-86844 REV. 0
SCALE	AS SHOWN
DATE	06/06/07
DESIGN	TAM
CADD	MPB
CHECK	
REVIEW	

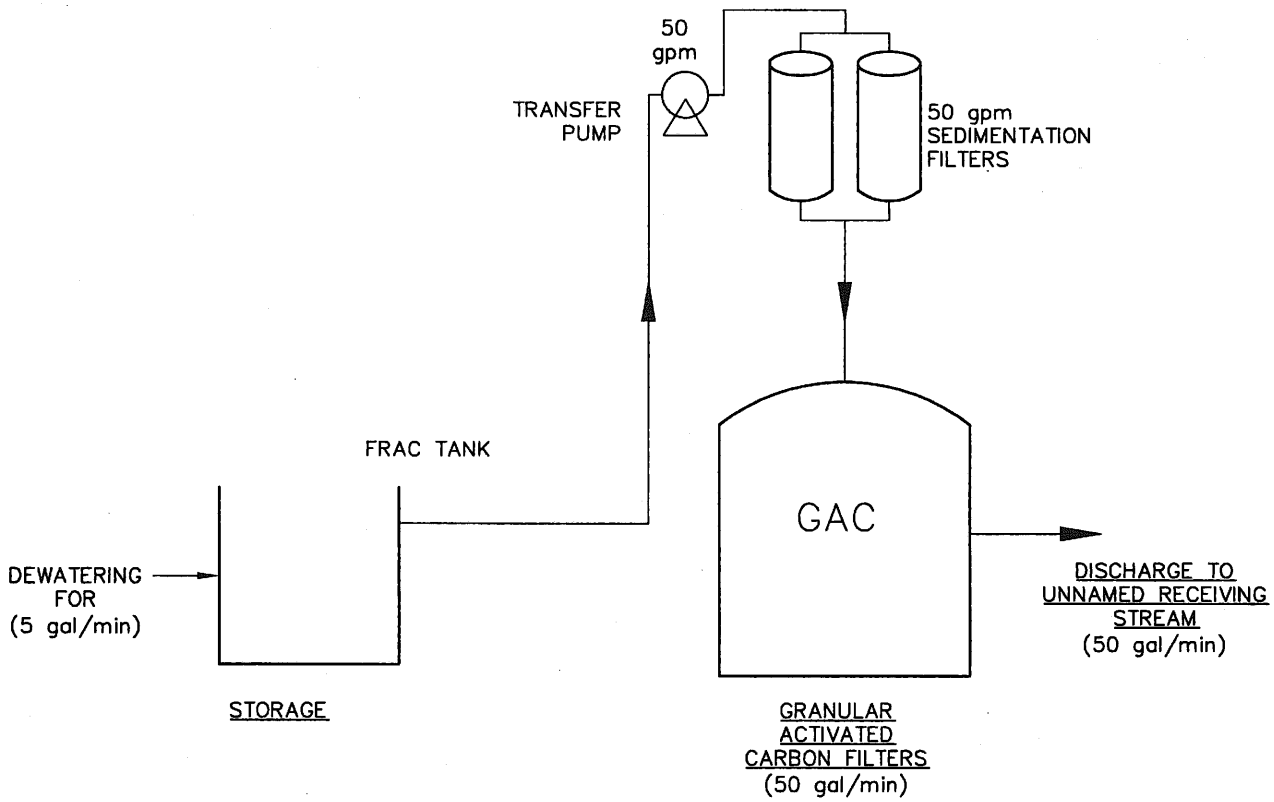
TITLE

EXCAVATION LOCATION PLAN

FORMER FOYE'S CORNER, RYE, NH

FIGURE 2

Drawing file: 07386844A002.dwg Jun 07, 2007 - 5:20pm



Golder Associates Manchester, New Hampshire		SCALE	NTS
		DATE	06/05/07
		DESIGN BY	TAM
		CAD BY	MPB
FILE No.	07386844A001	CHECK BY	
PROJECT No.	073-86844 REV.	REVIEW BY	

PROPOSED TREATMENT SYSTEM SCHEMATIC

FORMER FOYE'S CORNER, RYE, NH

FIGURE 3

ANALYTICAL DATA

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 62288

Client: **Golder Associates, Inc.** Client Designation: **NH DOT Rye | 073-868844**

Sample ID:	SG-1-RGP
Lab Sample ID:	62288.02
Matrix:	aqueous
Date Sampled:	6/1/07
Date Received:	6/1/07

			Analysis			
		Units	**Date**	**Time**	**Method**	**Analyst**
TPH(SGTHEM)	< 5	mg/L	6/05/07	11:05	1664A	JC

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 62288

Client: **Golder Associates, Inc.** Client Designation: **NH DOT Rye | 073-868844**

Sample ID: SG-1-RGP

Lab Sample ID: 62288.02
Matrix: aqueous
Date Sampled: 6/1/07
Date Received: 6/1/07

			Analysis			
		Units	Date	Time	Method	Analyst
Solids Suspended	< 5	mg/L	6/04/07	9:00	160.2	SEL
Cyanide Total	< 0.005	mg/L	6/06/07	11:00	335.2	EAS
Total Residual Chlorine	< 0.05	mg/L	6/01/07	14:20	330.5	NZ

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 62288

Client: **Golder Associates, Inc.** Client Designation: **NH DOT Rye | 073-868844**

Sample ID:	Trip Blank - 01	SG-1-RGP	Catch Basin
Lab Sample ID:	62288.01	62288.02	62288.05
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	5/24/07	6/1/07	6/1/07
Date Received:	6/1/07	6/1/07	6/1/07
Units:	ug/l	ug/l	ug/l
Date of Analysis:	6/1/07	6/1/07	6/1/07
Analyst:	BAM	BAM	BAM
Method:	8260B	8260B	8260B
Dilution Factor:	1	1	1
Dichlorodifluoromethane	< 5	< 5	< 5
Chloromethane	< 5	< 5	< 5
Vinyl chloride	< 2	< 2	< 2
Bromomethane	< 2	< 2	< 2
Chloroethane	< 5	< 5	< 5
Trichlorofluoromethane	< 5	< 5	< 5
Diethyl Ether	< 5	< 5	< 5
Acetone	< 10	< 10	< 10
1,1-Dichloroethene	< 1	< 1	< 1
tert-Butyl Alcohol (TBA)	< 30	< 30	< 30
Methylene chloride	< 5	< 5	< 5
Carbon disulfide	< 5	< 5	< 5
Methyl-t-butyl ether(MTBE)	< 5	< 5	< 5
Ethyl-t-butyl ether(ETBE)	< 5	< 5	< 5
Isopropyl ether(DIPE)	< 5	< 5	< 5
tert-amyl methyl ether(TAME)	< 5	< 5	< 5
trans-1,2-Dichloroethene	< 2	< 2	< 2
1,1-Dichloroethane	< 2	< 2	< 2
2,2-Dichloropropane	< 2	< 2	< 2
cis-1,2-Dichloroethene	< 2	**5**	< 2
2-Butanone(MEK)	< 10	< 10	< 10
Bromochloromethane	< 2	< 2	< 2
Tetrahydrofuran(THF)	< 10	< 10	< 10
Chloroform	< 2	< 2	< 2
1,1,1-Trichloroethane	< 2	< 2	< 2
Carbon tetrachloride	< 2	< 2	< 2
1,1-Dichloropropene	< 2	< 2	< 2
Benzene	< 1	< 1	< 1
1,2-Dichloroethane	< 2	< 2	< 2
Trichloroethene	< 2	**13**	< 2
1,2-Dichloropropane	< 2	< 2	< 2
Dibromomethane	< 2	< 2	< 2
Bromodichloromethane	< 2	< 2	< 2
4-Methyl-2-pentanone(MIBK)	< 10	< 10	< 10
cis-1,3-Dichloropropene	< 2	< 2	< 2
Toluene	< 1	< 1	< 1
trans-1,3-Dichloropropene	< 2	< 2	< 2
1,1,2-Trichloroethane	< 2	< 2	< 2
2-Hexanone	< 10	< 10	< 10
Tetrachloroethene	< 2	**190**	< 2
1,3-Dichloropropane	< 2	< 2	< 2
Dibromochloromethane	< 2	< 2	< 2
1,2-Dibromoethane(EDB)	< 2	< 2	< 2
Chlorobenzene	< 2	< 2	< 2
1,1,1,2-Tetrachloroethane	< 2	< 2	< 2
Ethylbenzene	< 1	< 1	< 1

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 62288

Client: **Golder Associates, Inc.** Client Designation: **NH DOT Rye | 073-868844**

Sample ID:	Trip Blank - 01	SG-1-RGP	Catch Basin
Lab Sample ID:	62288.01	62288.02	62288.05
Matrix:	aqueous	aqueous	aqueous
Date Sampled:	5/24/07	6/1/07	6/1/07
Date Received:	6/1/07	6/1/07	6/1/07
Units:	ug/l	ug/l	ug/l
Date of Analysis:	6/1/07	6/1/07	6/1/07
Analyst:	BAM	BAM	BAM
Method:	8260B	8260B	8260B
Dilution Factor:	1	1	1
mp-Xylene	< 1	< 1	< 1
o-Xylene	< 1	< 1	< 1
Styrene	< 1	< 1	< 1
Bromoform	< 2	< 2	< 2
IsoPropylbenzene	< 1	< 1	< 1
Bromobenzene	< 2	< 2	< 2
1,1,2,2-Tetrachloroethane	< 2	< 2	< 2
1,2,3-Trichloropropane	< 2	< 2	< 2
n-Propylbenzene	< 1	< 1	< 1
2-Chlorotoluene	< 2	< 2	< 2
4-Chlorotoluene	< 2	< 2	< 2
1,3,5-Trimethylbenzene	< 1	< 1	< 1
tert-Butylbenzene	< 1	< 1	< 1
1,2,4-Trimethylbenzene	< 1	< 1	< 1
sec-Butylbenzene	< 1	< 1	< 1
1,3-Dichlorobenzene	< 1	< 1	< 1
p-Isopropyltoluene	< 1	< 1	< 1
1,4-Dichlorobenzene	< 1	< 1	< 1
1,2-Dichlorobenzene	< 1	< 1	< 1
n-Butylbenzene	< 1	< 1	< 1
1,2-Dibromo-3-chloropropane	< 2	< 2	< 2
1,2,4-Trichlorobenzene	< 1	< 1	< 1
Hexachlorobutadiene	< 1	< 1	< 1
Naphthalene	< 5	< 5	< 5
1,2,3-Trichlorobenzene	< 1	< 1	< 1
4-Bromofluorobenzene (surr)	**99 %R**	**101 %R**	**99 %R**
1,2-Dichlorobenzene-d4 (surr)	**100 %R**	**101 %R**	**101 %R**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Draft Progress Report

June 06, 2007

FOR: Attn: Front Office
Eastern Analytical
25 Chennell Drive
Concord, NH 03301

Sample Information		Custody Information		Date	Time
Matrix:	WATER	Collected by:		06/01/07	9:41
Location Code:	EASTANAL	Received by:	LP	06/02/07	10:33
Rush Request:	RUSH24HR	Analyzed by:	See "By" Below		
P.O.#:	21022				

SDG I.D.: GAJ19122
Phoenix I.D.: AJ19122

Laboratory Data

Client ID: SG-R-RGP

Parameter	Result	RL	Units	Date	Time	By	Reference
Ethylene Dibromide	< 0.02	0.02	ug/L	06/04/07		JRB	504
1,4-dioxane							
1,4-dioxane	ND	1	ug/l	06/06/07		R/J	SW8260SIM
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	06/06/07		R/J	SW8260SIM
% Bromofluorobenzene	96		%	06/06/07		R/J	SW8260SIM
% Toluene-d8	103		%	06/06/07		R/J	SW8260SIM

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
ND=Not detected BDL=Below Detection Limit RL=Reporting Limit
PLEASE NOTE: THIS PROGRESS REPORT IS CONSIDERED PRELIMINARY DATA. THE RESULTS ENTERED HAVE NOT BEEN EXAMINED BY OUR QA/QC DEPARTMENT.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 62288

Client: **Golder Associates, Inc.** Client Designation: **NH DOT Rye | 073-868844**

Sample ID:	SG-1-RGP
Lab Sample ID:	62288.02
Matrix:	*aqueous*
Date Sampled:	6/1/07
Date Received:	6/1/07
Units:	ug/l
Date of Extraction/Prep:	6/4/07
Date of Analysis:	6/5/07
Analyst:	BML
Method:	8270C
Dilution Factor:	1

Phenol	< 1
2-Chlorophenol	< 1
2,4-Dichlorophenol	< 1
2,4,5-Trichlorophenol	< 1
2,4,6-Trichlorophenol	< 1
Pentachlorophenol	< 5
2-Nitrophenol	< 1
4-Nitrophenol	< 5
2,4-Dinitrophenol	< 5
2-Methylphenol	< 1
3/4-Methylphenol	< 1
2,4-Dimethylphenol	< 1
4-Chloro-3-methylphenol	< 1
4,6-Dinitro-2-methylphenol	< 5
Benzoic Acid	< 5
2-Fluorophenol (surr)	**34 %R**
Phenol-D5 (surr)	**22 %R**
2,4,6-Tribromophenol (surr)	**59 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 62288

Client: **Golder Associates, Inc.** Client Designation: **NH DOT Rye | 073-868844**

Sample ID:	SG-1-RGP
Lab Sample ID:	62288.02
Matrix:	aqueous
Date Sampled:	6/1/07
Date Received:	6/1/07
Units:	ug/l
Date of Extraction/Prep:	6/4/07
Date of Analysis:	6/5/07
Analyst:	BML
Method:	8270C
Dilution Factor:	1

N-Nitrosodimethylamine	< 1
n-Nitroso-di-n-propylamine	< 1
n-Nitrosodiphenylamine	< 1
bis(2-Chloroethyl)ether	< 1
bis(2-chloroisopropyl)ether	< 1
bis(2-Chloroethoxy)methane	< 1
1,3-Dichlorobenzene	< 1
1,4-Dichlorobenzene	< 1
1,2-Dichlorobenzene	< 1
1,2,4-Trichlorobenzene	< 1
2-Chloronaphthalene	< 1
4-Chlorophenyl-phenylether	< 1
4-Bromophenyl-phenylether	< 1
Hexachloroethane	< 1
Hexachlorobutadiene	< 1
Hexachlorocyclopentadiene	< 5
Hexachlorobenzene	< 1
4-Chloroaniline	< 1
2-Nitroaniline	< 5
3-Nitroaniline	< 1
4-Nitroaniline	< 1
Benzyl alcohol	< 1
Nitrobenzene	< 1
Isophorone	< 1
2,4-Dinitrotoluene	< 1
2,6-Dinitrotoluene	< 1
Benzidine	< 5
3,3'-Dichlorobenzidine	< 1
Pyridine	< 5
Azobenzene	< 1
Carbazole	< 1
Dimethylphthalate	< 1
Diethylphthalate	< 1
Di-n-butylphthalate	< 5
Butylbenzylphthalate	< 1
bis(2-Ethylhexyl)phthalate	< 5
Di-n-octylphthalate	< 1
Dibenzofuran	< 1

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 62288

Client: **Golder Associates, Inc.** Client Designation: **NH DOT Rye | 073-868844**

Sample ID:	SG-1-RGP
Lab Sample ID:	62288.02
Matrix:	aqueous
Date Sampled:	6/1/07
Date Received:	6/1/07
Units:	ug/l
Date of Extraction/Prep:	6/4/07
Date of Analysis:	6/5/07
Analyst:	BML
Method:	8270C
Dilution Factor:	1

Naphthalene	< 1
2-Methylnaphthalene	< 1
Acenaphthylene	< 1
Acenaphthene	< 1
Fluorene	< 1
Phenanthrene	< 1
Anthracene	< 1
Fluoranthene	< 1
Pyrene	< 1
Benzo[a]anthracene	< 1
Chrysene	< 1
Benzo[b]fluoranthene	< 1
Benzo[k]fluoranthene	< 1
Benzo[a]pyrene	< 1
Indeno[1,2,3-cd]pyrene	< 1
Dibenz[a,h]anthracene	< 1
Benzo[g,h,i]perylene	< 1
Nitrobenzene-D5 (surr)	**59 %R**
2-Fluorobiphenyl (surr)	**64 %R**
p-Terphenyl-D14 (surr)	**88 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 62288

Client: **Golder Associates, Inc.** Client Designation: **NH DOT Rye | 073-868844**

Sample ID:	SG-1-RGP
Lab Sample ID:	62288.02
Matrix:	aqueous
Date Sampled:	6/1/07
Date Received:	6/1/07
Units:	ug/l
Date of Extraction/Prep:	6/4/07
Date of Analysis:	6/5/07
Analyst:	BML
Method:	8270C SIM
Dilution Factor:	1

Benzo[a]anthracene	**0.3**
Chrysene	**0.3**
Benzo[b]fluoranthene	**0.3**
Benzo[k]fluoranthene	**0.2**
Benzo[a]pyrene	**0.1**
Indeno[1,2,3-cd]pyrene	**0.2**
Dibenz[a,h]anthracene	**0.1**
Benzo[g,h,i]perylene	**0.1**

SIM Technique was employed to provide low level quantitation for these compounds. The associated batch QC is reported with the 8270C data.

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 62288

Client: **Golder Associates, Inc.** Client Designation: **NH DOT Rye | 073-868844**

Sample ID:	SG-1-RGP
Lab Sample ID:	62288.02
Matrix:	aqueous
Date Sampled:	6/1/07
Date Received:	6/1/07
Units:	ug/l
Date of Extraction/Prep:	6/4/07
Date of Analysis:	6/6/07
Analyst:	MOS
Method:	608
Dilution Factor:	1
PCB-1016	< 1
PCB-1221	< 1
PCB-1232	< 1
PCB-1242	< 1
PCB-1248	< 1
PCB-1254	< 1
PCB-1260	< 1
TMX (surr)	**69 %R**
DCB (surr)	**81 %R**

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 62288

Client: **Golder Associates, Inc.** Client Designation: **NH DOT Rye | 073-868844**

Sample ID: SG-1-RGP

Lab Sample ID: 62288.02
Matrix: aqueous
Date Sampled: 6/1/07
Date Received: 6/1/07

		Analytical Matrix	Units	Date of Analysis	Method	Analyst
Antimony	< 0.001	AqTot	mg/L	6/6/07	200.8	DS
Arsenic	**0.0003**	AqTot	mg/L	6/6/07	200.8	DS
Cadmium	**0.0002**	AqTot	mg/L	6/6/07	200.8	DS
Copper	< 0.001	AqTot	mg/L	6/6/07	200.8	DS
Iron	**0.95**	AqTot	mg/L	6/6/07	200.8	DS
Lead	**0.0003**	AqTot	mg/L	6/6/07	200.8	DS
Mercury	< 0.0001	AqTot	mg/L	6/6/07	200.8	DS
Nickel	**0.006**	AqTot	mg/L	6/6/07	200.8	DS
Selenium	< 0.001	AqTot	mg/L	6/6/07	200.8	DS
Silver	< 0.0001	AqTot	mg/L	6/6/07	200.8	DS
Zinc	**0.008**	AqTot	mg/L	6/6/07	200.8	DS
Chromium (III)	< 0.01	AqTot	mg/L	6/6/07	200.8	DS
Chromium (VI)	< 0.01	AqTot	mg/L	6/1/07	7196A	DS