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:** NHDOT Patrol Section #224		**Facility/site address:** 8 Eastman Hill Road		
Location of **facility/site:** longitude: 72.19 latitude: 43.61	Facility SIC code(s):	Street: 8 Eastman Hill Road		
b) Name of **facility/site owner:** NHDOT District 2		Town: Enfield		
Email address of owner: n/a		State: NH	Zip: 03748	County: Grafton
Telephone no.of facility/site **owner:** (603) 271-3226				
Fax no. of facility/site **owner:** (603) 271-7199		**Owner** is (check one): 1. Federal____ 2. State/Tribal ✓ 3. Private_____ 4. other, if so, describe:		
Address of **owner** (if different from site): P.O. Box 232				
Street:				
Town: Lebanon	State: NH	Zip: 03766	County: Grafton	
c) Legal name of **operator:** ENPRO Services, Inc.		**Operator** telephone no: (978) 465-1595		
		Operator fax no.: (978) 465-2050	**Operator** email:	
Operator contact name and title: Mr. Jeffrey Garretson, Project Manager Technical Services, Wastewater Treatment Plant Operator				
Address of **operator** (if different from owner):		Street: 12 Mulliken Way		
Town: Newburyport	State: MA	Zip: 01950	County: Essex	

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:

The discharge is associated with dewatering during excavation of soil to install new USTS

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, ft3/s)? Max. flow 120gpm Average flow 65 gpm 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.

3) Latitude and longitude of each discharge within 100 feet: pt.1:long. 72.19 lat. 43.61; 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 10/01/07 end 10/15/07

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).

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		✓	1	grab	160.2				76000	
2. Total Residual Chlorine	✓		1	grab	330.5	50				
3. Total Petroleum Hydrocarbons	✓		1	grab	1664	5000				
4. Cyanide	✓		1	grab	335.4	10				
5. Benzene	✓		3	grab	8260	2				
6. Toluene	✓		3	grab	8260	2				
7. Ethylbenzene	✓		3	grab	8260	2				
8. (m,p,o) Xylenes		✓	3	grab	8260	2	3		1	
9. Total BTEX[4]		✓	3	grab	8260	2	3		1	

[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 [5] (1,2- Dibromo-methane)	✓		3	grab	8260	2				
11. Methyl-tert-Butyl Ether (MtBE)		✓	3	grab	8260	2	1		0.33	
12. tert-Butyl Alcohol (TBA)	✓		3	grab	8260	20				
13. tert-Amyl Methyl Ether (TAME)	✓		3	grab	8260	2				
14. Naphthalene		✓	3	grab	8260	2	1		0.33	
15. Carbon Tetra-chloride	✓		3	grab	8260	2				
16. 1,4 Dichlorobenzene	✓		3	grab	8260	2				
17. 1,2 Dichlorobenzene	✓		3	grab	8260	2				
18. 1,3 Dichlorobenzene	✓		3	grab	8260	2				
19. 1,1 Dichloroethane	✓		3	grab	8260	2				
20. 1,2 Dichloroethane	✓		3	grab	8260	2				
21. 1,1 Dichloroethylene	✓		3	grab	8260	2				
22. cis-1,2 Dichloro-ethylene	✓		3	grab	8260	2				
23. Dichloromethane (Methylene Chloride)	✓		3	grab	8260	5				
24. Tetrachloroethylene	✓		3	grab	8260	2				

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

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	✓		3	grab	8260	2				
26. 1,1,2 Trichloroethane	✓		3	grab	8260	2				
27. Trichloroethylene	✓		3	grab	8260	2				
28. Vinyl Chloride	✓		3	grab	8260	2				
29. Acetone	✓		3	grab	8260	10				
30. 1,4 Dioxane	✓		1	grab	8260	30				
31. Total Phenols	✓		1	grab	8270C	5				
32. Pentachlorophenol	✓		1	grab	8270C	10				
33. Total Phthalates [6] (Phthalate esthers)	✓		1	grab	8270C	2				
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]		✓	1	grab	8270C	2			6B	(see section7)
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)										
a. Benzo(a) Anthracene		✓	3	grab	8270C	2	0.8		0.3	
b. Benzo(a) Pyrene		✓	3	grab	8270C	2	0.4		0.1	
c. Benzo(b)Fluoranthene		✓	3	grab	8270C	2	0.3		0.1	
d. Benzo(k) Fluoranthene		✓	3	grab	8270C	2	0.2		0.1	
e. Chrysene		✓	3	grab	8270C	2	1.3		0.4	

[6] 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	✓		3	grab	8270C	2				
g. Indeno(1,2,3-cd) Pyrene		✓	3	grab	8270C	2	0.2		0.01	
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)										
h. Acenaphthene		✓	3	grab	8270C	2	2.2		0.7	
i. Acenaphthylene		✓	3	grab	8270C	2	0.8		0.3	
j. Anthracene		✓	3	grab	8270C	2	0.9		0.3	
k. Benzo(ghi) Perylene	✓		3	grab	8270C	2				
l. Fluoranthene		✓	3	grab	8270C	2	1.7		0.6	
m. Fluorene	✓		3	grab	8270C	2				
n. Naphthalene-		✓	3	grab	8270C	2	37		12.5	
o. Phenanthrene		✓	3	grab	8270C	2	9.3		3.1	
p. Pyrene		✓	3	grab	8270C	2	2.6		0.9	
37. Total Polychlorinated Biphenyls (PCBs)	✓		1	grab	E608	0.2				
38. Antimony	✓		1	grab	200.8	1				
39. Arsenic		✓	1	grab	200.8	n/a			7.9	
40. Cadmium		✓	1	grab	200.8	n/a			0.1	
41. Chromium III	✓		1	grab	200.8	10				
42. Chromium VI	✓		1	grab	7196A	10				

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	n/a			20	
44. Lead		✓	1	grab	200.8	n/a			8.8	
45. Mercury	✓		1	grab	200.8	0.1				
46. Nickel		✓	1	grab	200.8	n/a			13	
47. Selenium	✓		1	grab	200.8	1.0				
48. Silver	✓		1	grab	200.8	0.1				
49. Zinc		✓	1	grab	200.8	n/a			36	
50. Iron		✓	1	grab	200.8	n/a			5800	
Other (describe): 2-Methylnaphthalene		✓	3	grab	200.8	n/a	37.4		12.5	

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? Iron
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: Iron DF: 1.6	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: Iron

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

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank ✓	Air stripper	Oil/water separator	Equalization tanks	Bag filter ✓	GAC filter ✓
	Chlorination	Dechlorination	Other (please describe):			
c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate**(s) (gallons per minute) of the treatment system: Average flow rate of discharge 70gpm Maximum flow rate of treatment system 120gpm Design flow rate of treatment system 70gpm						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets): n/a						

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 discharge is to a storm water catch basin located just south of the building. The storm drain system in this area discharges to Stony Brook.						
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 B						
e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 0.21 cfs Please attach any calculation sheets used to support stream flow and dilution calculations.						
f) Is the receiving water a listed 303(d) water quality impaired or limited water? Yes____ No ✓ If yes, for which pollutant(s)? Is there a TMDL? Yes____ No ✓ If yes, for which pollutant(s)?						

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 ? Yes___ 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.

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 Patrol Section #224, Enfield, NH

Operator signature: [signature]

Title: Project manager - WWTP Operator Grade 2I

Date: 9/21/07

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.

Section 3. b) 34. Avg. daily Value of Bis (2-Ethylhexyl) phthalate [Di-(ethylhexyl) Phthalate] was noted at 6B ug/L on Analytical Laboratory Report #59675. The B is noted to represent that this parameter was detected in the blank.

Section 5. The reported or calculated seven day-ten year low flow (7Q10) of the receiving water is 0.21 and was derived from contacting Mr. Jeff Andrews of the NHDES.

As per Section 6, Consultations with Federal Services, the following activities have been taken:
- Reviewing the National register of Historic Places http://www.cr.nps.gov/nr/research/nris.htm
* a listing of three Historical Places were noted, however the listed sites were not located in any proximity to the referenced site. Please see Figure 2.
-Contacted the New England U.S. Fish and Wildlife Service, no listed threatened or endangered species, designated critical habitat, or essential fish habitat, are in proximity to the discharge to be covered by this permit.

Atached:
Figure 1. Site Locus Map
Figure 2. Historical Map
Figure 3. Site Plan1
Figure 4. Site Plan2
Figure 5. Site Plan3
Figure 6. Groundwater Treatmetn System Schematic
Analytical Laboratory Report #59675
Analytical Laboratory Report #59528
Analytical Laboratory Report #59652

Figure 1 – Site Locus Map

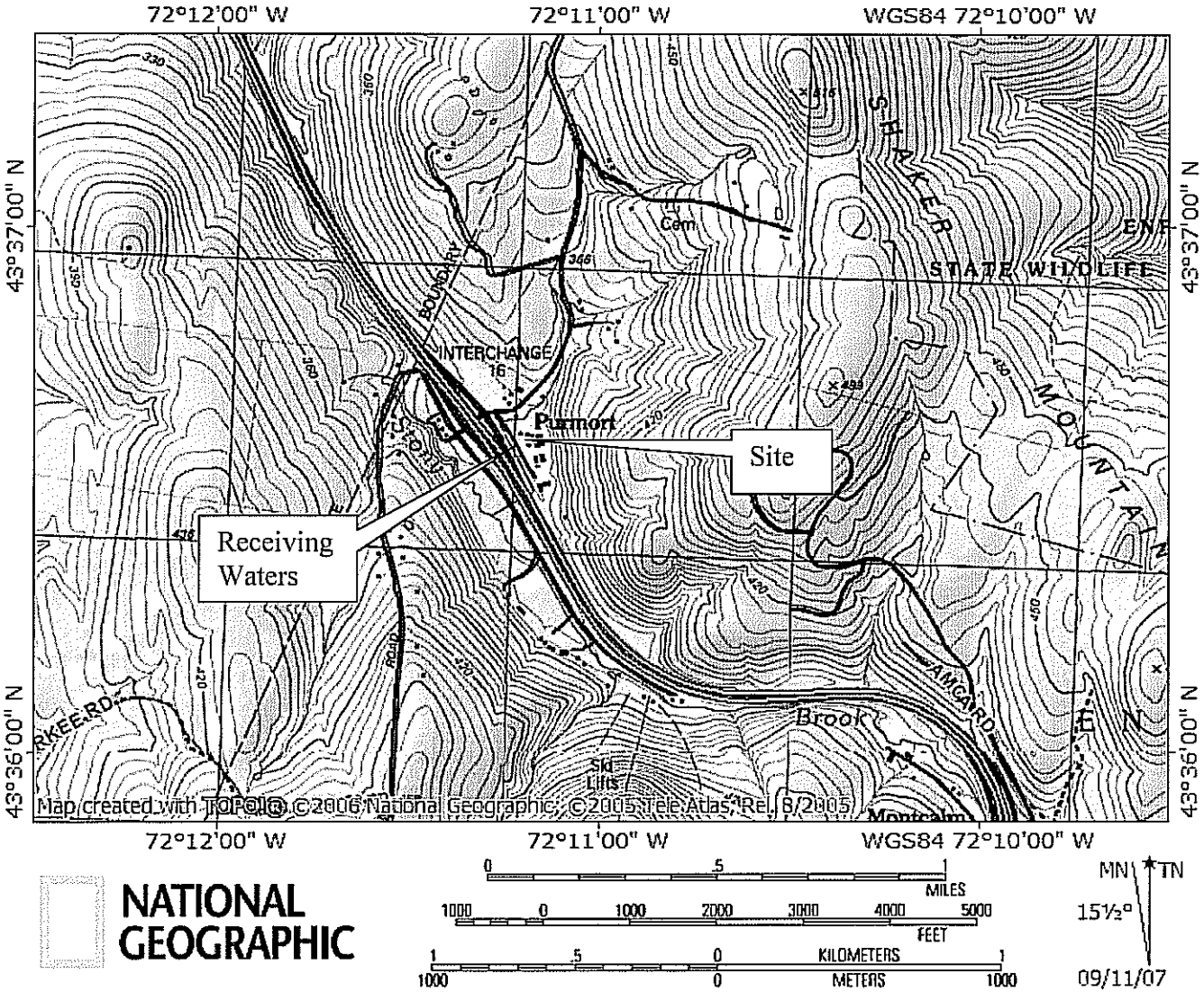


Figure 2 – Historical Map

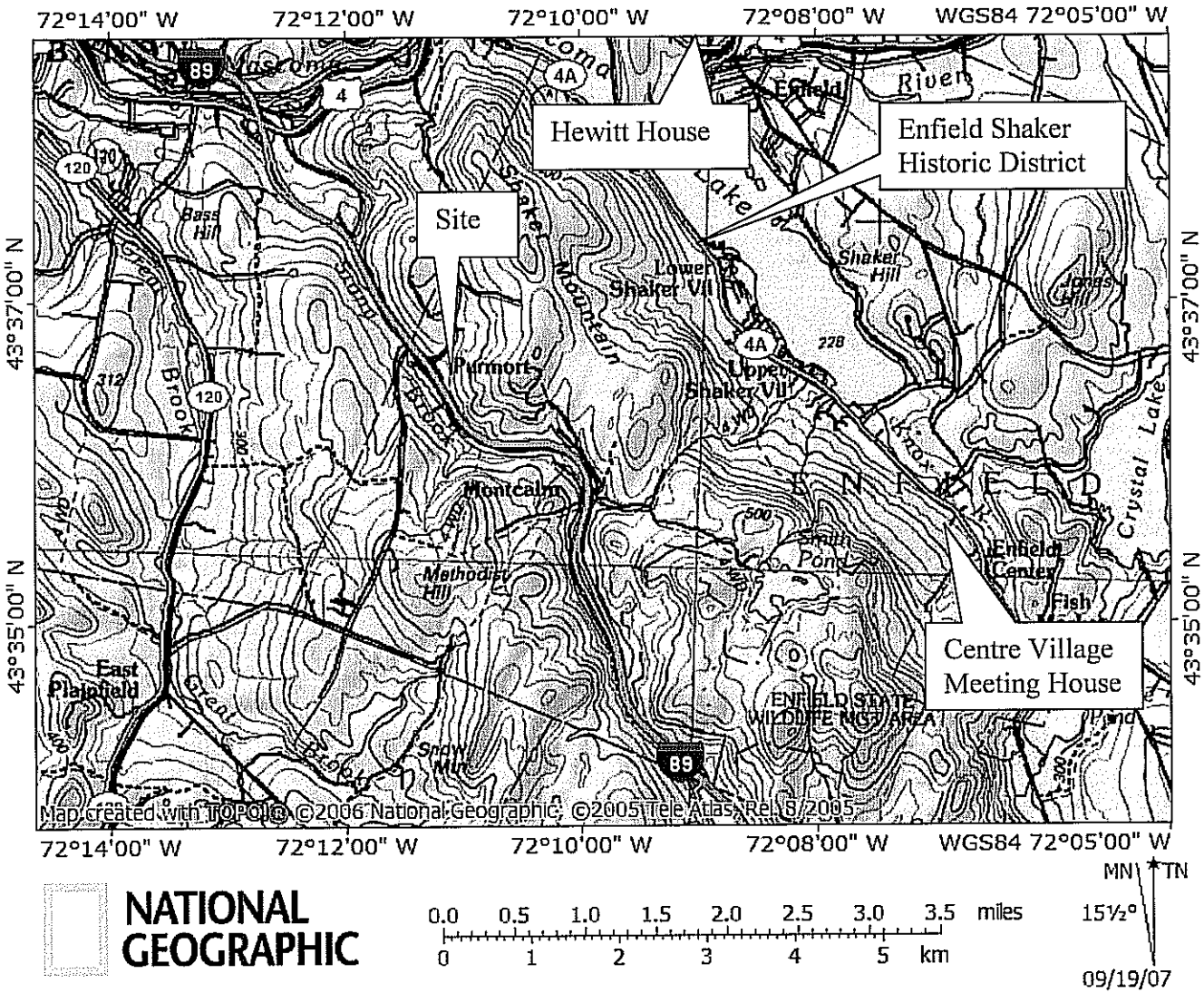
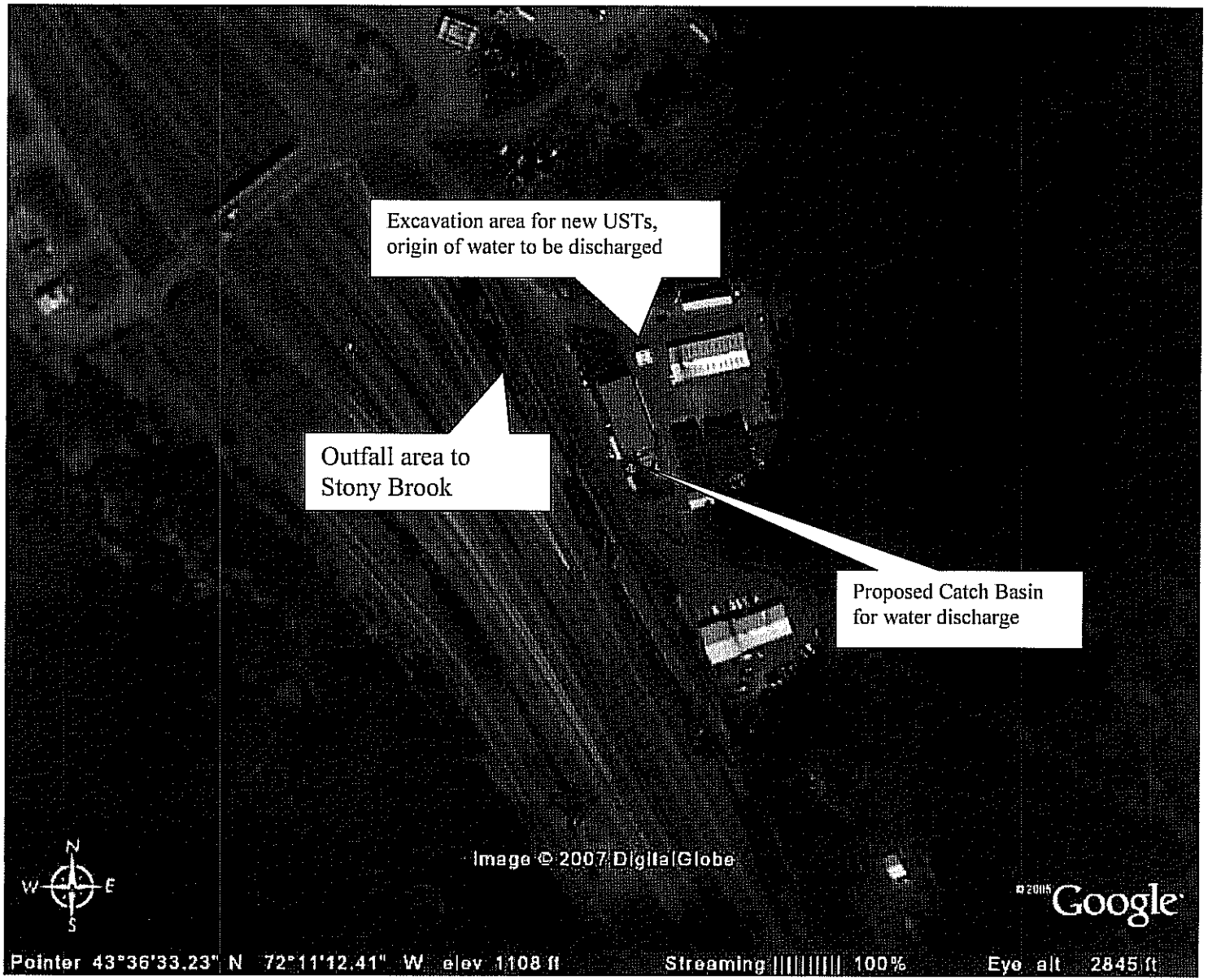
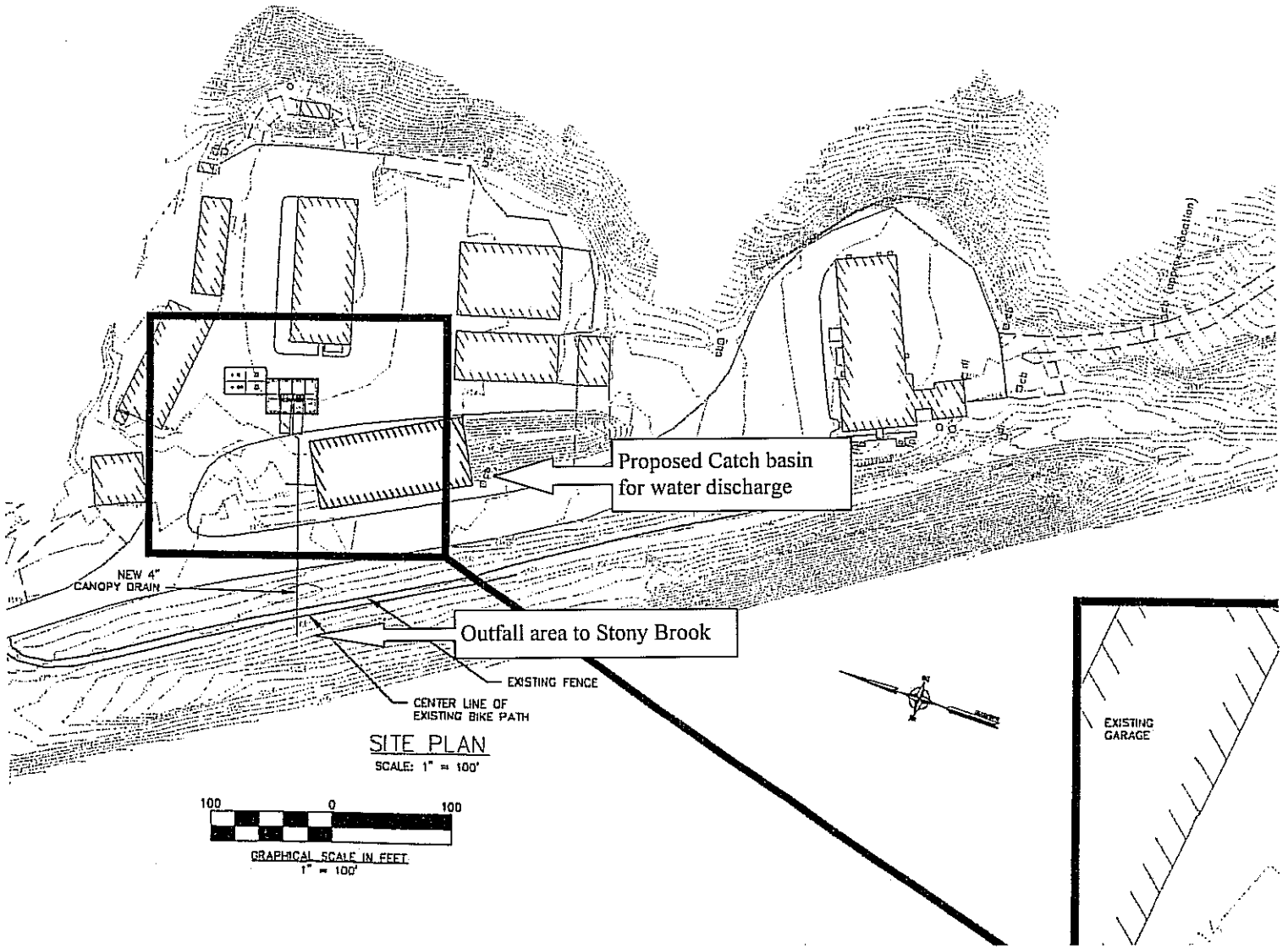
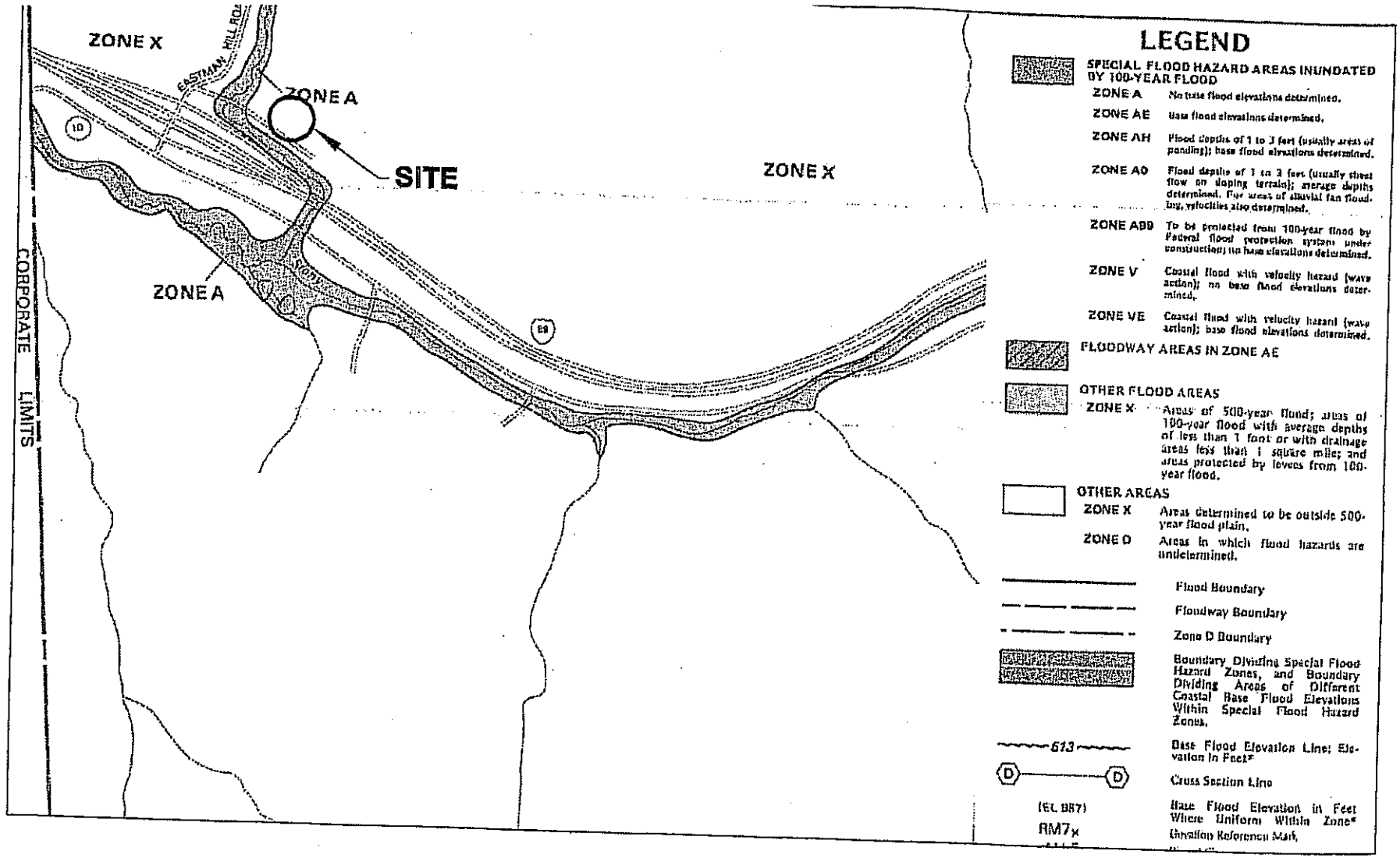


Figure 3 – Site Plan




Proposed Catch basin
for water discharge
NEW 4"
CANOPY DRAIN
Outfall area to Stony Brook
EXISTING FENCE
CENTER LINE OF
EXISTING BIKE PATH
EXISTING
GARAGE
SITE PLAN
SCALE: 1" = 100'
100
0
100
GRAPHICAL SCALE IN FEET
1" = 100'

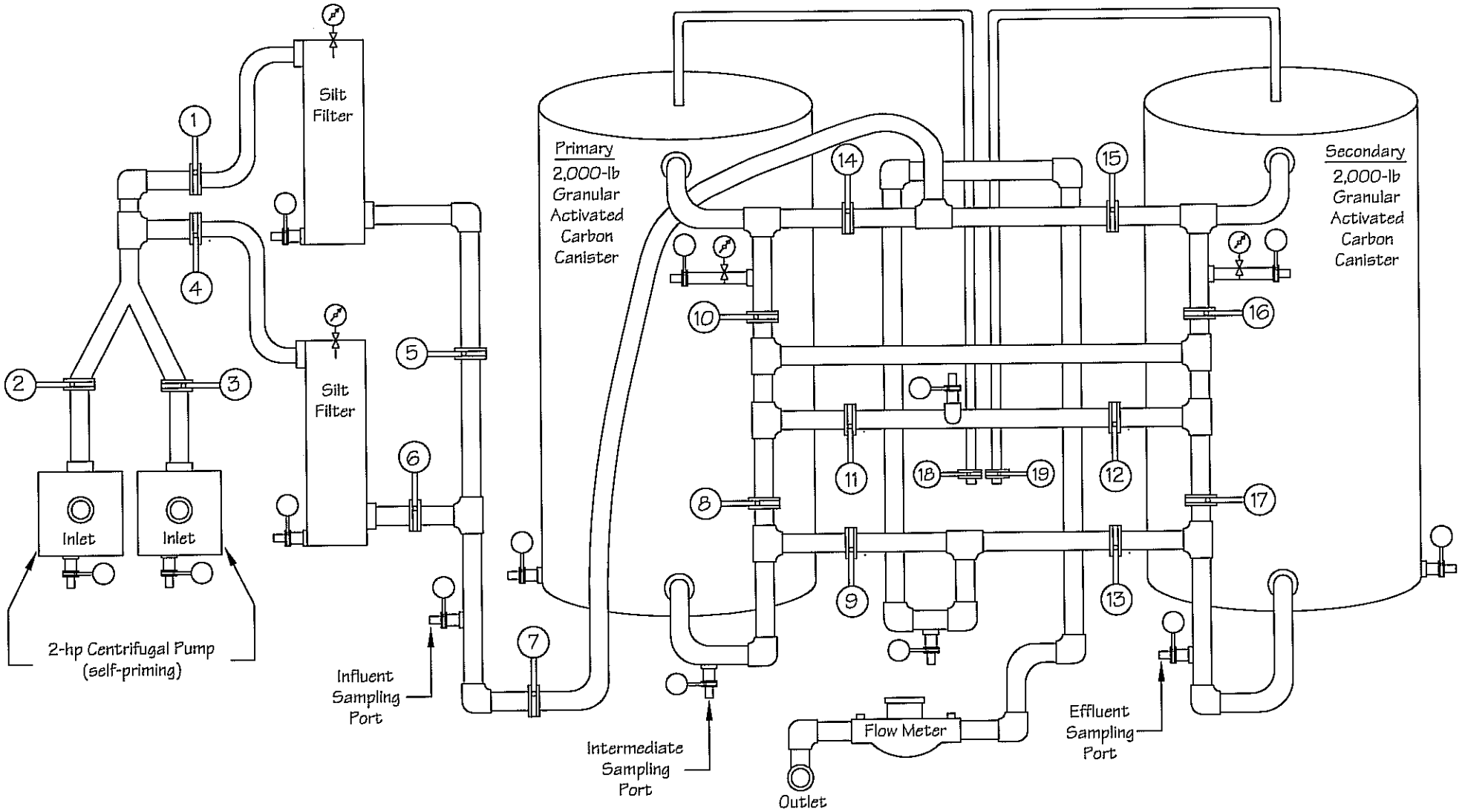


MAP SOURCE:

FEMA
FLOOD INSURANCE MAP # 330052 0015B
PANEL 15

FLOOD MAP

SCALE: N.T.S.



Legend

Drain Valve

Pressure Guage

Groundwater may be run through the GAC units in parallel or in series.
Average flow rate of system is 60 to 70 gpm.

ENPRO Services, Inc.	
Groundwater Treatment System Schematic	
Not To Scale	Date: 1/7/00
N:\anne\gwtreat1.dwg	Drawn By: APM

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Ms. Renee Lagasse
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

Report Number: 59675

Revision: Rev. 0

Re: NH DOT Enfield **5317-07**

Enclosed are the results of the analyses on your sample(s). Samples were received on 17 September 2007 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
59675-1	09/17/07	W-1	Cyanide	
	09/17/07	W-1	EPA 8082 (PCBs only)	
	09/17/07	W-1	EPA 8260 Volatile Organics	
	09/17/07	W-1	EPA 8270 Acid/Base Neutrals	
	09/17/07	W-1	Metals	
	09/17/07	W-1	Metals Digestion	
	09/17/07	W-1	Oil and Grease	
	09/17/07	W-1	Subcontract	
	09/17/07	W-1	Total Suspended Solids	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Pennsylvania, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature SLKnollmeyer for
Stephen L. Knollmeyer Lab. Director

Date 09/19/07

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Ms. Renee Lagasse
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

September 19, 2007

CLIENT SAMPLE ID

Project Name: NH DOT Enfield

Project Number: 5317-07

Field Sample ID: W-1

SAMPLE DATA

Lab Sample ID: 59675-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 09/17/07
Lab Receipt Date: 09/17/07
Analysis Date: 09/18/07

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether (MTBE)	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U	1,4-Dioxane	30	U

Surrogate Standard Recovery

d4-1,2-Dichloroethane	101	%	d8-Toluene	101	%	Bromofluorobenzene	99 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 MCP (3) + Dioxane

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Ms. Renee Lagasse
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

September 19, 2007

CLIENT SAMPLE ID

Project Name: NH DOT Enfield

Project Number: 5317-07

Field Sample ID: W-1

SAMPLE DATA

Lab Sample ID: 59675-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 09/17/07
Lab Receipt Date: 09/17/07
Extraction Date: 09/18/07
Analysis Date: 09/19/07

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

ACID COMPOUND	Quantitation Limit µg/L	Result µg/L	ACID COMPOUND	Quantitation Limit µg/L	Result µg/L
2-Chlorophenol	5	U	Pentachlorophenol	10	U
4-Chloro-3-methylphenol	10	U	Phenol	5	U
2,4-Dichlorophenol	5	U	2,4,5-Trichlorophenol	5	U
2,4-Dimethylphenol	5	U	2,4,6-Trichlorophenol	5	U
2,4-dinitrophenol	5	U	Benzoic Acid	10	U
4,6-Dinitro-2-methylphenol	5	U	2-Methylphenol	5	U
2-Nitrophenol	5	U	3+4-Methylphenol	5	U
2,6-Dichlorophenol	5	U	Benzyl Alcohol	5	U
4-Nitrophenol	5	U	2,3,4,6-Tetrachlorophenol	5	U

Acid Surrogate Standard Recovery

2-Fluorophenol	38	%	d5-Phenol	28	%	2,4,6-Tribromophenol	81 %

BASE NEUTRAL COMPOUND	Quantitation Limit µg/L	Result µg/L	BASE NEUTRAL COMPOUND	Quantitation Limit µg/L	Result µg/L
1,2-Dichlorobenzene	2	U	Hexachlorobenzene	2	U
1,3-Dichlorobenzene	2	U	* Benzidine	20	U
1,4-Dichlorobenzene	2	U	3,3'-Dichlorobenzidine	20	U
2,4-Dinitrotoluene	2	U	Azobenzene	2	U
2,6-Dinitrotoluene	2	U	Bis(2-chloroethoxy)methane	2	U
Nitrobenzene	2	U	bis(2-chloroethyl) ether	2	U
Hexachlorobutadiene	2	U	bis(2-chloroisopropyl)ether	2	U
Dimethyl Phthalate	2	U	4-bromophenyl phenyl ether	2	U
Di-n-butyl phthalate	2	U	Butyl benzyl phthalate	2	U
di-n-octyl-phthalate	2	U	4-Chlorophenyl phenyl ether	2	U
Bis (2-ethylhexyl) phthalate	2	6 B	Diethyl Phthalate	2	U
1,2,4-Trichlorobenzene	2	U	Hexachlorocyclopentadiene	2	U

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Ms. Renee Lagasse
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

September 19, 2007

CLIENT SAMPLE ID

Project Name: NH DOT Enfield

Project Number: 5317-07

Field Sample ID: W-1

SAMPLE DATA

Lab Sample ID: 59675-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 09/17/07
Lab Receipt Date: 09/17/07
Extraction Date: 09/18/07
Analysis Date: 09/19/07

ANALYTICAL RESULTS SEMI-VOLATILE ORGANICS

BASE NEUTRAL COMPOUND	Quantitation Limit µg/L	Result µg/L	BASE NEUTRAL COMPOUND	Quantitation Limit µg/L	Result µg/L
Acenaphthene	2	U	N-nitrosodimethylamine	2	U
Acenaphthylene	2	U	N-nitroso-di-n-propylamine	2	U
Anthracene	2	U	n-nitrosodiphenylamine	2	U
Benzo[a]anthracene	2	U	Pyridine	2	U
Benzo[a] pyrene	2	U	2-Methylnaphthalene	2	U
Benzo[b] fluoranthene	2	U	2-Chloronaphthalene	2	U
Benzo[k] fluoranthene	2	U	Naphthalene	2	U
Benzo(g,h,i) perylene	2	U	Phenanthrene	2	U
Chrysene	2	U	Dibenzofuran	2	U
Dibenz [a,h] anthracene	2	U	Aniline	2	U
Fluoranthene	2	U	4-Chloroaniline	2	U
Fluorene	2	U	2-Nitroaniline	2	U
Indeno [1,2,3-cd] pyrene	2	U	3-Nitroaniline	2	U
Pyrene	2	U	4-Nitroaniline	2	U
Hexachloroethane	2	U	Carbazole	2	U
Isophorone	2	U			

Base Neutral Surrogate Standard Recovery

2-Fluorobiphenyl	83	%	d5-nitrobenzene	67	%	d14-p-terphenyl	64	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8270C.

COMMENTS: *Due to the reactive nature of this compound, the Benzidine quantitation limit is estimated.
Bis (2-ethylhexyl) Phthalate was detected in the laboratory blank at 3 ug/L.

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Ms. Renee Lagasse
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

September 20, 2007

CLIENT SAMPLE ID

Project Name: NH DOT Enfield

Project Number: 5317-07

Field Sample ID: W-1

SAMPLE DATA

Lab Sample ID: 59675-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 09/17/07
Lab Receipt Date: 09/17/07
Extraction Date: 09/19/07
Analysis Date: 09/20/07

PCB ANALYTICAL RESULTS

COMPOUND	Quantitation Limit µg/L	Results µg/L
PCB-1016	0.2	U
PCB-1221	0.2	U
PCB-1232	0.2	U
PCB-1242	0.2	U
PCB-1248	0.2	U
PCB-1254	0.2	U
PCB-1260	0.2	U

Surrogate Standard Recovery

2,4,5,6-Tetrachloro-m-xylene	49	%
Decachlorobiphenyl	46	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis conducted according to Test Methods for Evaluating Solid Waste, SW-846 Method 8082.

COMMENTS:

Authorized signature

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 64628

Client: **Analytics Environmental Lab, LLC** Client Designation: **NHDOT Enfield | 5317-07**

Sample ID: W-1 59675-1

Lab Sample ID: 64628.01
Matrix: aqueous
Date Sampled: 9/17/07
Date Received: 9/17/07

		Analysis			
	Units	Date	Time	Method	Analyst
TPH(SGTHEM) < 5	mg/L	9/18/07	8:00	1664A	RMP

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 64628

Client: **Analytics Environmental Lab, LLC** Client Designation: **NHDOT Enfield | 5317-07**

Sample ID: W-1 59675-1

Lab Sample ID: 64628.01
Matrix: aqueous
Date Sampled: 9/17/07
Date Received: 9/17/07

		Analytical Matrix	Units	Date of Analysis	Method	Analyst
Antimony	< 0.001	AqTot	mg/L	9/18/07	200.8	DS
Arsenic	**0.0079**	AqTot	mg/L	9/18/07	200.8	DS
Cadmium	**0.0001**	AqTot	mg/L	9/18/07	200.8	DS
Chromium	**0.005**	AqTot	mg/L	9/18/07	200.8	DS
Copper	**0.020**	AqTot	mg/L	9/18/07	200.8	DS
Iron	**5.6**	AqTot	mg/L	9/18/07	200.8	DS
Lead	**0.0088**	AqTot	mg/L	9/18/07	200.8	DS
Mercury	< 0.0001	AqTot	mg/L	9/18/07	200.8	DS
Nickel	**0.013**	AqTot	mg/L	9/18/07	200.8	DS
Selenium	< 0.001	AqTot	mg/L	9/18/07	200.8	DS
Silver	< 0.0001	AqTot	mg/L	9/18/07	200.8	DS
Zinc	**0.036**	AqTot	mg/L	9/18/07	200.8	DS
Chromium (III)	< 0.01	AqTot	mg/L	9/18/07	200.8	DS
Chromium (VI)	< 0.01	AqTot	mg/L	9/18/07	7196A	DS

LABORATORY REPORT

Eastern Analytical, Inc. ID#: 64628

Client: **Analytics Environmental Lab, LLC** Client Designation: **NHDOT Enfield | 5317-07**

Sample ID: W-1 59675-1

Lab Sample ID:	64628.01
Matrix:	aqueous
Date Sampled:	9/17/07
Date Received:	9/17/07

		Analysis			
	Units	**Date**	**Time**	**Method**	**Analyst**
Solids Suspended	76	mg/L	9/18/07	9:30	2540D	SEL
Cyanide Total	< 0.01	mg/L	9/18/07	9:00	4500CNE	SEL
Total Residual Chlorine	< 0.05	mg/L	9/17/07	16:45	4500ClG	NZ

EAI

Chain Of Custody Form

64628

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 9.5°C
3) Received in good condition Y or N
4) pH checked by:
5) Labels checked by:

Project#: 5317-07 Proj. Name: NH DOT Enfield
Company: ANALYTICS Environmental Laboratory LLC
Contact: Melissa Gulli
Address: 195 COMMERCE WAY
PORTSMOUTH, NH 03801
Phone: 603-436-5111 PO# 59675 Quote # 1003588
Sampler (Signature):

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO3	H2SO4	HCL	Methanol	Other *	Matrix	Container number/type		pH	Analytics Sample #
W-1	9/17/07	10:30	TSS (160.2)		X						WW	1	P		59675-1
			Total Residual CL (330.5)		X						WW	2	G		
			TPH (1664)		X		X				WW	2	G		
			Cyanide (335.4)		X					X	WW	1	P		
			Chromium VI		X						WW	1	P		
			Metals *		X	X					WW	1	P		

Received By:
Time:
Date:
Relinquished By Sampler:

Received By: Glenn LaClair
Time: 16:30
Date: 9-17-07
Relinquished By: Melissa Gulli

Received By:
Time:
Date:
Relinquished By:

Email RESULTS? (YES) NO
Email: sknollmeyer@analyticslab.com
mgulli@analyticslab.com

Comments / Instructions:
Please reference Station ID number and AEL Lab number on report(s).
*Ascorbic + NaOH
Metals list = Sb, As, Cd, Cr^{III}, Cu, Pb, Hg, Ni, Se, Ag, Zn + Fe

Turnaround Request
Standard ☐ Due Date
Priority ☒ Due Date 9/22/14

Page ___ of ___

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4°C
3) Received in good condition (Y) or N
4) pH checked by: 9.17.07
5) Labels checked by: SH 9.17.07

Project#: 5317-07 Proj. Name: NH DOT Enfield
Company: ELPRO Services Inc
Contact: Renée T Cagnassi
Address: 12 Mcmillan Way
Londonderry NH
Phone: 978 465 1575 PO# 84137 Quote #
Sampler (Signature): Renée T Cagnassi

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
F=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	4°C	HNO3	H2SO4	HCL	Methanol	Other	Matrix	Container number/type		pH	Analytics Sample #
MW-1	9/17	1038	Totals, Diolefins, 8270, PCBs, TSS, Residual Cl, Oil/Grease, Cyanide, Metals, Hexavalent Chromium								W	11 4	G P		59675-1
Trip Blank					X			X							-2

Received By: Renée T Cagnassi 1310 9/17
Received By:
Received By:
Time:
Date:

Email RESULTS? YES NO
Email _____
Fax RESULTS? YES NO
Fax# _____

Turnaround Request
Standard ☐ Due Date _____
Priority ☒ Due Date _____

Comments / Instructions:

Metals List - see attached
*9/17/07 pH of CN sample = 12-5 upon receipt / pH of metals + O+G = 1-5 upon receipt
PCB + 8270 sample ND for Residual Chlorine tested with ICI paper.

Page 1 of 1

Relinquished By Sampler: Renée T Cagnassi
Relinquished By:
Relinquished By:

Analytics\AEL Documents\AEL COC

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Ms. Renee Lagasse
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

Report Number: 59652

Revision: Rev. 0

Re: NH DOT Patrol Shed #224 **5317-07**

Enclosed are the results of the analyses on your sample(s). Samples were received on 14 September 2007 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
59652-1	09/14/07	Influent-1	EPA 8260 Volatile Organics	
	09/14/07	Influent-1	EPA 8270 (PAH only)	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Pennsylvania, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 9/18/2007

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Ms. Renee Lagasse
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

September 18, 2007

CLIENT SAMPLE ID

Project Name: NH DOT Patrol Shed #224

Project Number: 5317-07

Field Sample ID: Influent-1

SAMPLE DATA

Lab Sample ID: 59652-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 09/14/07
Lab Receipt Date: 09/14/07
Analysis Date: 09/17/07

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether (MTBE)	2	1 J
Chloroethane	2	U	Naphthalene	2	1 J
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	2
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	1 J
1,2-Dichloropropane	2	U	m,p-Xylene	2	2
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	9	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	99 %	d8-Toluene	100 %	Bromofluorobenzene	99 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature

analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Ms. Renee Lagasse
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

September 18, 2007

CLIENT SAMPLE ID

Project Name: NH DOT Patrol Shed #224

Project Number: 5317-07

Field Sample ID: Influent-1

SAMPLE DATA

Lab Sample ID: 59652-1
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 09/14/07
Lab Receipt Date: 09/14/07
Extraction Date: 09/17/07
Analysis Date: 09/18/07

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/L	Results µg/L
Naphthalene	0.2	0.5
Acenaphthylene	0.2	U
Acenaphthene	0.2	U
Fluorene	0.2	U
Phenanthrene	0.2	U
Anthracene	0.2	U
Fluoranthene	0.2	U
Pyrene	0.2	U
Benzo[a]anthracene	0.2	U
Chrysene	0.2	U
Benzo[b] fluoranthene	0.2	U
Benzo[k] fluoranthene	0.2	U
Benzo[a] pyrene	0.2	U
Dibenz [a,h] anthracene	0.2	U
Benzo(g,h,i) perylene	0.2	U
Indeno [1,2,3-cd] pyrene	0.2	U
2-Methylnaphthalene	0.2	0.4

Surrogate Standard Recovery

d5-nitrobenzene	80	%	2-Fluorobiphenyl	78	%	d14-p-terphenyl	62	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.

Authorized signature

Chain Of Custody Form

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 7/31/06

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 4.5
3) Received in good condition (Y) or N
4) pH checked by: JL 9/14/07
5) Labels checked by: MH 9/14/07

Project#: 5317-07 Proj. Name: NHDot Bridge Shed #224

Company: ENPRO Services, Inc.

Contact: Lenée T Lagassé

Address: 12 Mulliken Way

Newburyport, MA 01950

Phone: (800)966-1102 PO# 84136 Quote #

Sampler (Signature): Lenée T Lagassé

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwate
DW=Drinkingwater
S=Soil/Sludg
O=Oil
E=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Preservation: Unpres	4°C	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/typ		Analytics Sample #
IN Effluent-1	9/14/07		VOC / PAH		X			Y			W	5	6	0596052-1

Received By: Yolabell — Time: 15:22 — Date: 9/14/07
Received By: — Time: — Date:
Received By: — Time: — Date:
Relinquished By Sampler: Lenée T Lagassé — Date: 9/14/07
Relinquished By: — Date:
Relinquished By: — Date:

Email RESULTS? YES
Email: (see comment)
Fax RESULTS? NO
Fax#

Comments:
Email all reports to:
KS, DD, GB & AM RTL
plus Project Manager listed above
48 hr Turn around

Turnaround Request
Standard ☐ Due Date
Priority ☒ Due Date

ENPRO CONTRACT/PRICING (PLEASE CHECK ONE):
- ☐ NH Purchase & Prop. Part II
- ☐ NH Purchase & Prop. Part III
- ☐ NHDES Petroleum Fund PMR
- ☐ NHDES Initial Response Petroleum
- ☐ NHDES Initial Response Chemical
- ☐ ENPRO Vendor

analytics environmental laboratory LLC

195 Commerce Way Suite E
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906
www.analyticslab.com

Ms. Rene Lagasse
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

Report Number: 59528

Revision: Rev. 0

Re: NHDOT Enfield **5209-07**

Enclosed are the results of the analyses on your sample(s). Samples were received on 28 August 2007 and analyzed for the tests listed below. Samples were received in acceptable condition, with the exceptions noted below or on the chain of custody. The results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. Please see individual reports for specific methodologies and references.

Lab Number	Sample Date	Station Location	Analysis	Comments
59528-6	08/27/07	W-1	EPA 8260 Volatile Organics	
	08/27/07	W-1	EPA 8270 (PAH only)	
59528-7	08/27/07	Trip Blank	EPA 8260 Volatile Organics	

Sample Receipt Exceptions: None

Analytics Environmental Laboratory is certified by the states of New Hampshire, Maine, Massachusetts, Connecticut, Rhode Island, New York, Virginia, Pennsylvania, and is validated by the U.S. Navy (NFESC). A list of actual certified parameters is available upon request.

If you have any further question on the analytical methods or these results, do not hesitate to call.

Authorized signature _____
Stephen L. Knollmeyer Lab. Director

Date 8/30/2007

Analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Ms. Rene Lagasse
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

August 29, 2007

CLIENT SAMPLE ID

Project Name: NHDOT Enfield

Project Number: 5209-07

Field Sample ID: W-1

SAMPLE DATA

Lab Sample ID: 59528-6
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1
Collection Date: 08/27/07
Lab Receipt Date: 08/28/07
Analysis Date: 08/28/07

ANALYTICAL RESULTS VOLATILE ORGANICS

COMPOUND	Quantitation Limit µg/L	Result µg/L	COMPOUND	Quantitation Limit µg/L	Result µg/L
Benzene	2	U	1,3-Dichloropropane	2	U
Bromobenzene	2	U	cis-1,3-Dichloropropene	2	U
Bromochloromethane	2	U	trans-1,3-Dichloropropene	2	U
Bromodichloromethane	2	U	2,2-Dichloropropane	2	U
Bromoform	2	U	1,1-Dichloropropene	2	U
Bromomethane	2	U	Ethylbenzene	2	U
n-butylbenzene	2	U	Hexachlorobutadiene	2	U
sec-butylbenzene	2	U	Isopropylbenzene	2	U
tert-butylbenzene	2	U	p-isopropyltoluene	2	U
Carbon Tetrachloride	2	U	Methylene Chloride	5	U
Chlorobenzene	2	U	Methyl-tert-butyl ether (MTBE)	2	U
Chloroethane	2	U	Naphthalene	2	U
Chloroform	2	U	n-Propylbenzene	2	U
Chloromethane	2	U	Styrene	2	U
2-Chlorotoluene	2	U	1,1,1,2-Tetrachloroethane	2	U
4-Chlorotoluene	2	U	1,1,2,2-Tetrachloroethane	2	U
Dibromochloromethane	2	U	Tetrachloroethene	2	U
1,2-Dibromo-3-chloropropane	2	U	Toluene	2	U
1,2-Dibromoethane	2	U	1,2,3-Trichlorobenzene	2	U
Dibromomethane	2	U	1,2,4-Trichlorobenzene	2	U
1,2-Dichlorobenzene	2	U	1,1,1-Trichloroethane	2	U
1,3-Dichlorobenzene	2	U	1,1,2-Trichloroethane	2	U
1,4-Dichlorobenzene	2	U	Trichloroethene	2	U
Dichlorodifluoromethane	2	U	Trichlorofluoromethane	2	U
1,1-Dichloroethane	2	U	1,2,3-Trichloropropane	2	U
1,2-Dichloroethane	2	U	1,2,4-Trimethylbenzene	2	U
1,1-Dichloroethene	2	U	1,3,5-Trimethylbenzene	2	U
cis-1,2-Dichloroethene	2	U	Vinyl Chloride	2	U
trans-1,2-Dichloroethene	2	U	o-Xylene	2	U
1,2-Dichloropropane	2	U	m,p-Xylene	2	U
Acetone	10	U	Diethyl ether	2	U
Carbon Disulfide	2	U	2-Hexanone	10	U
Tetrahydrofuran	5	U	Methyl isobutyl ketone	10	U
Methyl ethyl ketone	10	U	Di-isopropyl ether (DIPE)	2	U
t-Butyl alcohol (TBA)	20	U	Ethyl t-butyl ether (ETBE)	2	U
t-Amyl methyl ether (TAME)	2	U			

Surrogate Standard Recovery

d4-1,2-Dichloroethane	96	%	d8-Toluene	100	%	Bromofluorobenzene	96 %

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: Test Methods for Evaluating Solid Waste, SW-846 Method 8260B.

COMMENTS:

8260 full

Authorized signature

Analytics environmental laboratory LLC

195 Commerce Way
Portsmouth, New Hampshire 03801
603-436-5111 Fax 603-430-2151
800-929-9906

Ms. Rene Lagasse
ENPRO Services Inc.
12 Mulliken Way
Newburyport MA 01950

August 30, 2007

CLIENT SAMPLE ID

Project Name: NHDOT Enfield

Project Number: 5209-07

Field Sample ID: W-1

SAMPLE DATA

Lab Sample ID: 59528-6
Matrix: Aqueous
Percent Solid: N/A
Dilution Factor: 1.0
Collection Date: 08/27/07
Lab Receipt Date: 08/28/07
Extraction Date: 08/28/07
Analysis Date: 08/29/07

ANALYTICAL RESULTS POLYNUCLEAR AROMATICS

COMPOUND	Quantitation Limit µg/L	Results µg/L
Naphthalene	0.2	37*
Acenaphthylene	0.2	0.8
Acenaphthene	0.2	2.2
Fluorene	0.2	4.3
Phenanthrene	0.2	9.3
Anthracene	0.2	0.9
Fluoranthene	0.2	1.7
Pyrene	0.2	2.6
Benzo[a]anthracene	0.2	0.8
Chrysene	0.2	1.3
Benzo[b] fluoranthene	0.2	0.3
Benzo[k] fluoranthene	0.2	0.2
Benzo[a] pyrene	0.2	0.4
Dibenz [a,h] anthracene	0.2	U
Benzo(g,h,i) perylene	0.2	U
Indeno [1,2,3-cd] pyrene	0.2	0.2
2-Methylnaphthalene	0.2	37*

Surrogate Standard Recovery

d5-nitrobenzene	101	%	2-Fluorobiphenyl	85	%	d14-p-terphenyl	48	%

U=Undetected J=Estimated E=Exceeds Calibration Range B=Detected in Blank

METHODOLOGY: Sample analysis was conducted according to: "TestMethods for Evaluating Solid Waste, SW-846 Method 8270C."

COMMENTS: Detection limits achieved using Selected Ion Monitoring.
*Analyte reported from a full scan analysis.

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Chain Of Custody Form

analytics environmental laboratory LLC
195 Commerce Way Suite E
Portsmouth, NH 03801
Phone (603) 436-5111
Fax (603) 430-2151

For Analytics Use Only Rev. 2, 10/25/04

Samples were:
1) Shipped or hand-delivered
2) Temp blank °C 2.0
3) Received in good condition (Y) or N
4) pH checked by: ~~NA~~ JLS 8/28/07
5) Labels checked by: MT 8/28/07

Project#: 5209-07 Proj. Name: NHDOT Enfield
Company: EnPro Services Inc
Contact: Renée Thagassé
Address: 12 Mullikan Way
Newburyport, MA
Phone: 978 465 1595 PO# 83689 Quote #
Sampler (Signature): Renée Thagassé

Matrix Key:
WW=Wastewater
SW=Surfacewater
GW=Groundwater
DW=Drinkingwater
S=Soil/Sludge
O=Oil
F=Extract
X=Other

Container Key
P=plastic G=glass

Preservation

Station Identification	Sample Date	Sample Time	Analysis	Unpres	H_2O	HNO_3	H_2SO_4	HCL	Methanol	Other	Matrix	Container number/type		Cl-Reduction pH	Analytics Sample #
S-1	8/24/07		VOC / PAH / TPH (DRO)		Y				Y		S	3	G		59528-1
S-4	8/27/07	1530	VOC / PAH / TPH (DRO)		Y				Y		S	3	G		2
S-2	8/27/07	1630	VOC / PAH / METALS		Y				Y		S	3	G		3
S-3	8/27/07	1400	VOC / PAH / TPH (GRO)		Y				Y		S	3	G		4
S-5	8/27/07	1530	VOC / PAH / TPH (GRO)		Y				Y		S	3	G		5
W-1	8/27/07	1300	VOC / PAH		Y			Y			GW	5	G	Yes	6
Trip blank											S				7

Email RESULTS? YES NO
Email _____
Fax RESULTS? YES NO
Fax# _____

Comments / Instructions:

All Samples on Rush ~~as~~ EXCEPT S-1

METALS ARE RCRA 8 PER RENE @ ENPRO SLK 8/28/07

Turnaround Request

Standard ☐ Due Date _____
Priority ☒ Due Date 24 hour

Page 1 of 1

Received By:	Time:	Date:
Secure Shred		
	8:47 AM	8/28/07

Relinquished By Sampler: Renée Thagassé
Relinquished By: _____
Relinquished By: _____

26/26