

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: Former Ferns Belmont Plk Quik VII - Route 106 Irving		Facility/site address: Corner of Routes 106 and 140 Belmont, NH	
Location of facility/site: longitude: <u>71° 28' 34" W</u> latitude: <u>43° 26' 41" N</u>		Facility SIC code(s): NA	
b) Name of facility/site owner: FOCO, Inc.		Town: Belmont	
Email address of owner:		State: NH	Zip: 03220
Telephone no. of facility/site owner: (603) 496-6902		County: Belknap	
Fax no. of facility/site owner:		Owner is (check one): 1. Federal _____ 2. State/Tribal _____	
Address of owner (if different from site):		3. Private ☒ 4. other, if so, describe: _____	
Street: 105 Dustin Road			
Town: Webster	State: NH	Zip: 03303	County:
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: Jim Adrijnola. Project Manager			

68 ✓
NH 6910027

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 <u> </u> No <u>✓</u> , if "yes," number: 2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes <u> </u> No <u>✓</u> , if "yes," date and tracking #: 3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Yes <u>✓</u> No <u> </u> 4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes <u> </u> No <u> </u>			
e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes <u>✓</u> No <u> </u> If "yes," please list: 1. site identification # assigned by the state of NH or MA: 199108023 (NH) 2. permit or license # assigned: GWP-199108023-B-001 3. state agency contact information: name, location, and telephone number: NHDES, Worthen Muzzey, Concord, NH, 603-271-2867		f) Is the site/facility covered by any other EPA permit, including: 1. multi-sector storm water general permit? Y <u> </u> N <u>✓</u> , if Y, number: 2. phase I or II construction storm water general permit? Y <u> </u> N <u>✓</u> , if Y, number: 3. individual NPDES permit? Y <u> </u> N <u>✓</u> , if Y, number: 4. any other water quality related permit? Y <u> </u> N <u>✓</u> , 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 of a soil excavation project at a leaking underground storage facility (LUST) site			
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 0.16 Average flow 0.05 Is maximum flow a design value? Y <u> </u> N <u>✓</u> For average flow, include the units and appropriate notation if this value is a design value or estimate if not available. Maximum and average flow rates are estimates	
3) Latitude and longitude of each discharge within 100 feet: pt.1: long. <u>71°28'34"</u> lat. <u>43°26'41"</u> ; pt.2: long. <u> </u> lat. <u> </u> ; pt.3: long. <u> </u> lat. <u> </u> ; pt.4: long. <u> </u> lat. <u> </u> ; pt.5: long. <u> </u> lat. <u> </u> ; pt.6: long. <u> </u> lat. <u> </u> ; pt.7: long. <u> </u> lat. <u> </u> ; pt.8: long. <u> </u> lat. <u> </u> ; 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 11/05/05 end 12/31/05	
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	✓									
2. Total Residual Chlorine	✓									
3. Total Petroleum Hydrocarbons		✓								
4. Cyanide	✓									
5. Benzene		✓								
6. Toluene		✓								
7. Ethylbenzene		✓								
8. (m,p,o) Xylenes		✓								
9. Total BTEX ⁴		✓								

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

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

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

⁵The sum of individual phthalate compounds.

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

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

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

<i>Step 1:</i> Do any of the metals in the influent have a reasonable potential to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y ___ N ___	If yes, which metals?
<i>Step 2:</i> For any metals which have reasonable potential to exceed the Appendix III limits, calculate the dilution factor (DF) using the formula in Part I.A.3.c) (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metals: _____ DF: _____	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:
SEE ATTACHED SCHEMATIC

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 22 Maximum flow rate of treatment system 70 Design flow rate of treatment system 70

- 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 an unnamed wetland area followed by an unnamed stream located to the northwest of the Route 106 Irving building

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 N/A _____ 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? No ☒ or is consultation underway? Yes ☒
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. :

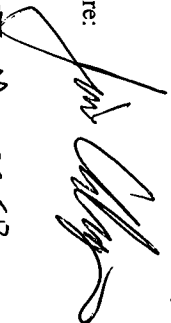
Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

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: FORMER FERN'S PIK QUIK VII (Currently Route 106 Irving)

Operator signature:



Title: PROJECT MANAGER

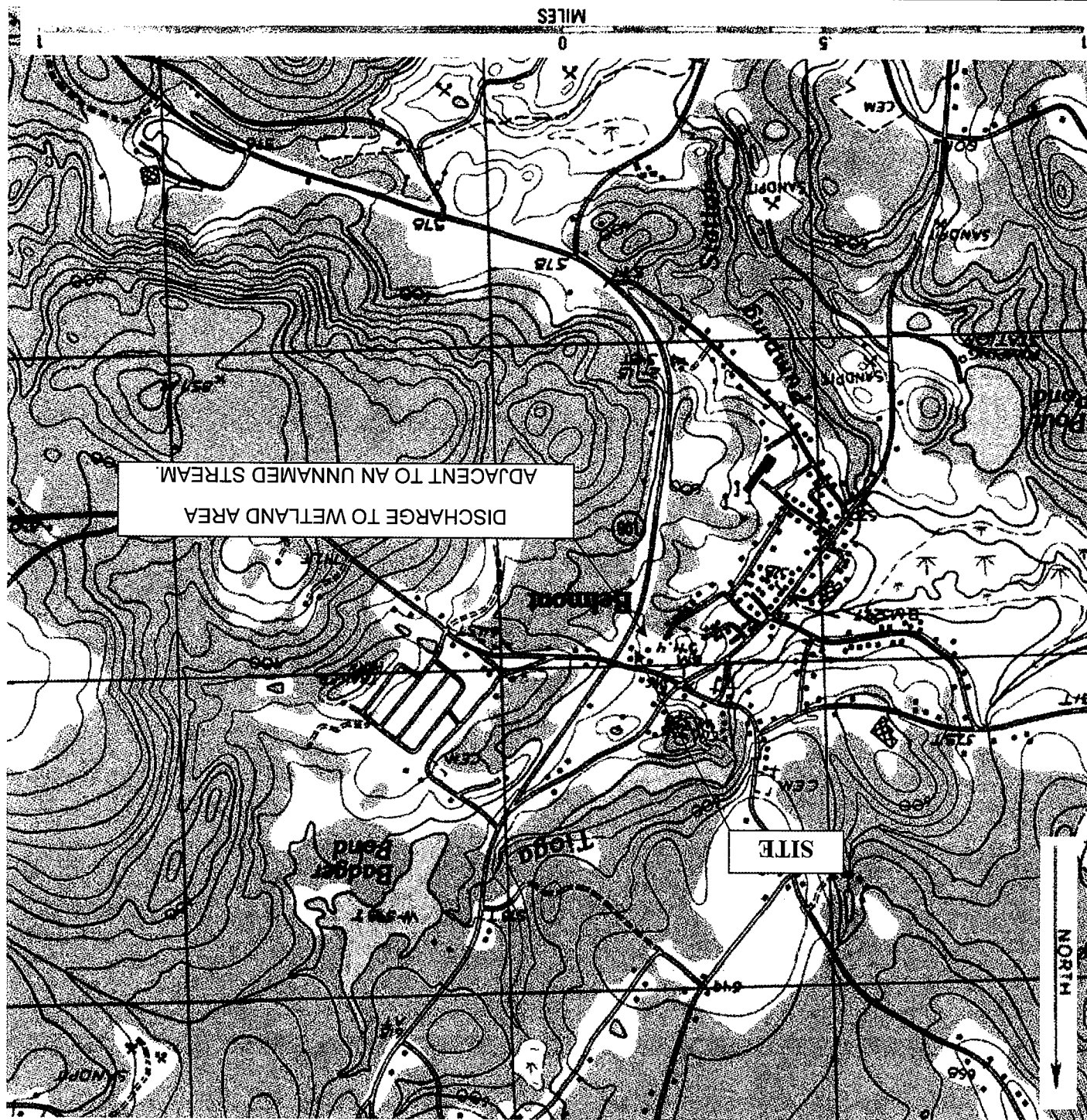
Date: 10.24.05

Fern's Belmont
Route 106 Irving
Belmont, NH

Site Locus Map
Based on USGS Belmont, NH
Topoquad Map, 1987
Project No. 05143

horizons
Engineering PLLC

34 School Street
Littleton, NH 03561
(603) 444-4111





Project No. 05143
October 21, 2005

Ms. Sara Cairns
New Hampshire Natural Heritage Inventory Program
Department of Resources and Economic Development
P.O. Box 1856
Concord, NH 03302-1856
(603) 271-3623

Subject: Information Request - Former Fern's Belmont Facility

Dear Ms. Cairns:

The New Hampshire Department of Environmental Services has recently approved a soil excavation and the installation of a dual phase recovery system at the Former Fern's Belmont Facility in Belmont, NH (the "Site"). The Site is a Leaking Underground Storage Tank (LUST) Site with a documented historic release of gasoline. Both the excavation and the dual phase recovery system will require the discharge of treated wastewater to an unidentified wetland area located on the property.

Horizons Engineering, P.L.L.C. is requesting any information you may have on any endangered or threatened plant species or significant habitat which may be directly or indirectly affected by the soil excavation and the discharge of the treated wastewater. Also, please provide any information concerning locations of listed species for the Non-Game and Endangered Wildlife Program which may coincide with the project area. If there are species in the area which would be affected by the project please include information as to how we might limit the impact to any endangered species located in the area. Enclosed is a USGS Topographic map with the Former Fern's Belmont Facility identified.

Due to project scheduling, I respectfully request a response to this request as soon as possible. Please feel free to contact me at (603) 444-4111 if you need additional information or wish to discuss the project.

Very Truly Yours,

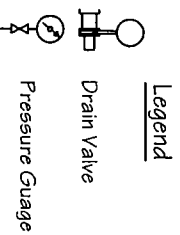
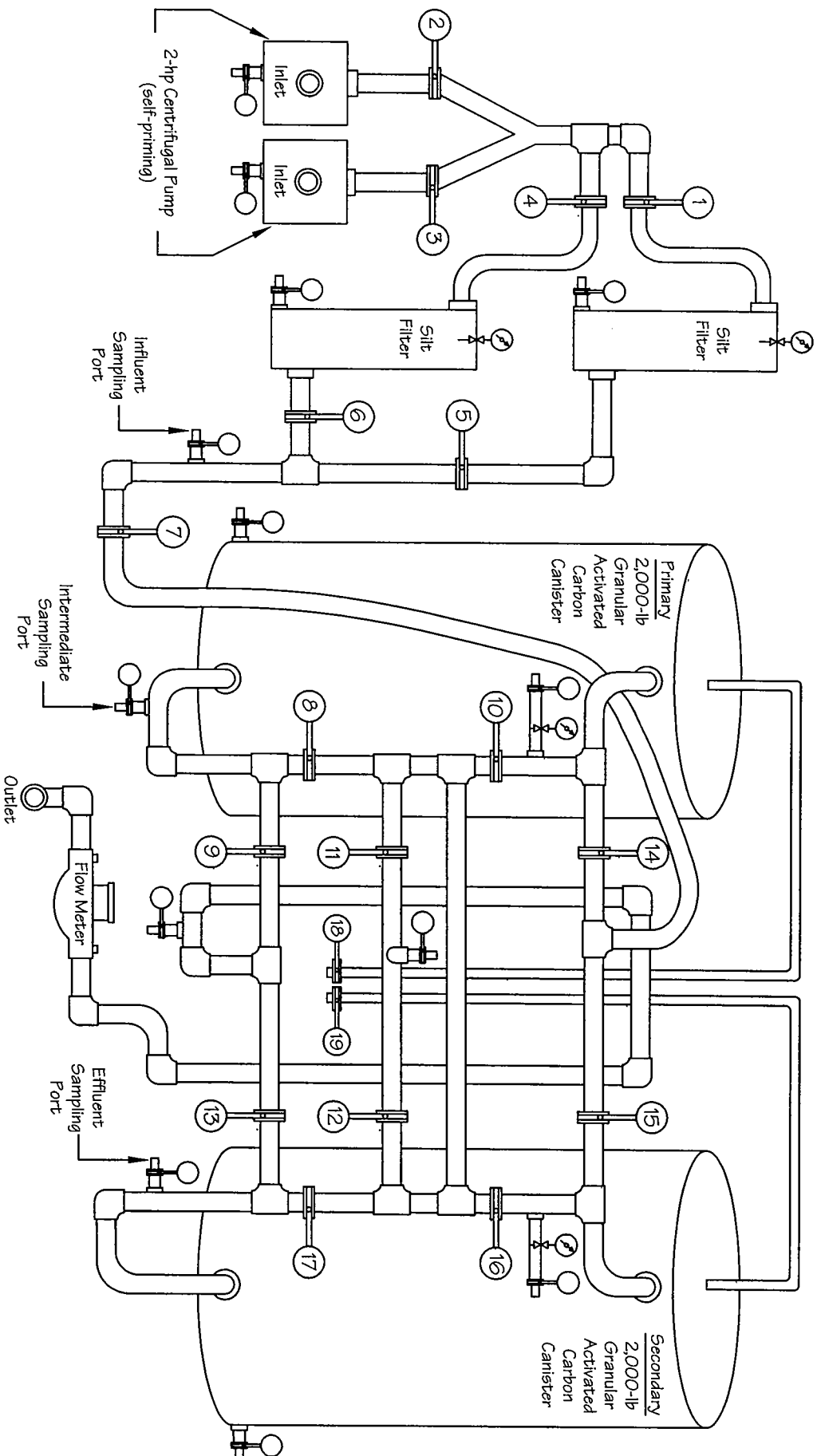
Kimberly J. Garrison

Environmental Scientist

Horizons Engineering P.L.L.C.

Q:\05143 FOCO (A) - Ferns Belmont Bid Admin\DOCS\PERMIT\SVNH Natural Heritage Inventory ltr.doc

34 School Street
Littleton, NH 03561
Phone 603.444.4111
Fax 603.444.1343
email@horizonsengineering.com



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\gwtrtreat1.dwg	Drawn By: APM

TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FERNS PIK QUIK VIII
NHDES Site #199108023

Analytes	NHDES Risk-Based Standards (ug/l) ⁽¹⁾	MW-1				
		06/05/98 ⁽²⁾	05/29/01 ⁽²⁾	02/18/02 ⁽²⁾	08/06/04	08/04/05
Top of Casing		588.04	588.04	588.04	588.04	588.04
Water Table Elevation (ft)			575.89		575.37	575.73
Volatile Organic Compounds			CONCENTRATION, ug/l			
Benzene	NH GW-1 5		<1	<1	<1	<1
Toluene	1,000		<1	<1	<1	<1
Ethylbenzene	700		<1	<1	<1	<1
<i>m&p-xylene</i>	NA ³		<1	1	<1	<1
<i>o-xylene</i>	NA		<1	<1	<1	<1
Total Detected Xylenes	10,000		<2	1	<2	<2
Total Detected BTEX	NA		<5	1	<5	<5
MTBE	13		<20	<5	<5	<5
TBA	40		NT	NT	<50	<30
ETBE	40		NT	NT	<5	<5
DIPE	120		NT	NT	<5	<5
TAME	140		NT	NT	<5	<5
sec-Butylbenzene	260		<1	<1	<1	<1
n-Butylbenzene	260		<1	<1	<1	<1
tert-Butylbenzene	260		<1	<1	<1	<1
1,2,4-Trimethylbenzene	330		<1	<1	<1	<1
1,3,5-Trimethylbenzene	330		<1	<1	<1	<1
n-Propylbenzene	260		<1	<1	<1	<1
p-Isopropyltoluene	260		<1	<1	<1	<1
Isopropylbenzene	280		<1	<1	<1	<1
Naphthalene	20		<1	<5	<5	<5

Notes:

- 1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards.
Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04
- 2) Samples collected by Provan & Lorber, Inc. Non-italicized dates collected by Horizons Engineering, PLLC
- 3) NA = Standard not available.

Samples analyzed by Eastern Analytical, Inc. (EAI) for VOCs by EPA Method 8260B.
 < = Detected analyte concentration below indicated laboratory detection limit.
 Concentrations listed in **bold** equal to or greater than applicable NHDES GW-1 and/or GW-2 standard.
 NT = Not tested for specified compound
 BDL = Below Detectable Levels

TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FERNS PIK QUIC VIII
NHDES Site #199108023

Analytes	NHDES Risk-Based Standards (ug/l) ⁽¹⁾	MW-2	
		05/29/01 ⁽²⁾	02/18/02 ⁽²⁾
Top of Casing		588.57	588.57
Water Table Elevation (ft)		571.27	568.35
Volatile Organic Compounds			
Benzene	NH GW-1 5	NH GW-2 2,000	Concentration, ug/l 1,500
Toluene	1,000	6,000	34,000
Ethylbenzene	700	30,000	5,900
<i>m&p-xylene</i>	NA ³	NA	29,000
<i>o-xylene</i>	NA	NA	12,000
Total Detected Xylenes	10,000	6,000	41,000
Total Detected BTEX	NA	NA	82,400
MTBE	13	50,000	<100
TBA	40	NA	NT
ETBE	40	NA	NT
DIPE	120	NA	NT
TAME	140	NA	NT
sec-Butylbenzene	260	NA	<100
n-Butylbenzene	260	NA	300
tert-Butylbenzene	260	10,000	<100
1,2,4-Trimethylbenzene	330	10,000	7,800
1,3,5-Trimethylbenzene	330	1,000	2,200
n-Propylbenzene	260	10,000	900
p-Isopropyltoluene	260	10,000	<100
Isopropylbenzene	280	NA	300
Naphthalene	20	6,000	1,200

Not Sampled / Well Dry

Notes:

1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards.
Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04

2) Samples collected by Provan & Lorber, Inc. Non-italicized dates collected by Horizons Engineering, PLLC

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TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FERNS PIK QUIK VIII
NHDES Site #199108023

Analytes	NHDES Risk-Based Standards (ug/l) ⁽¹⁾	MW-2D							
		11/10/00 ⁽²⁾	05/29/01 ⁽²⁾	02/18/02 ⁽²⁾	11/14/02 ⁽²⁾	05/27/03 ⁽²⁾	08/06/04	08/04/05	
Top of Casing		588.73	588.73	588.73	588.73	588.73	588.73	588.73	
Water Table Elevation (ft)		569.69	570.56	559.91	568.37	570.71	570.86	571.28	
Volatile Organic Compounds	NH GW-1	NH GW-2	CONCENTRATION, ug/l						
Benzene	5	2,000	4	5	2	5	33	<1	
Toluene	1,000	6,000	140	24	8	11	15	18	
Ethylbenzene	700	30,000	65	5	1	4	9	10	
m&p-xylene	NA ³	NA	350	47	10	18	26	47	
o-xylene	NA	NA	140	20	4	7	5	15	
Total Detected Xylenes	10,000	6,000	490	67	14	25	31	62	
Total Detected BTEX	NA	NA	699	101	25	45	88	14	
MTBE	13	50,000	<5	<5	<5	<5	5	<5	
TBA	40	NA	NT	NT	<50	<50	<50	<30	
ETBE	40	NA	NT	NT	<5	<5	<5	<5	
DIPE	120	NA	NT	NT	<5	<5	<5	<5	
TAME	140	NA	NT	NT	<5	<5	<5	<5	
sec-Butylbenzene	260	NA	<1	<1	<1	<1	<1	<1	
n-Butylbenzene	260	NA	13	<1	<1	<1	<1	<1	
tert-Butylbenzene	260	10,000	<1	<1	<1	<1	<1	<1	
1,2,4-Trimethylbenzene	330	10,000	220	13	2	4	5	15	
1,3,5-Trimethylbenzene	330	1,000	64	4	1	1	1	3	
n-Propylbenzene	260	10,000	31	<1	<1	<1	<1	1	
p-Isopropyltoluene	260	10,000	7	<1	<1	<1	<1	<1	
Isopropylbenzene	280	NA	6	<1	<1	<1	<1	<1	
Naphthalene	20	6,000	22	<5	<5	<5	<5	<5	

Notes:

- 1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards.
Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04
- 2) Samples collected by Provan & Lorber, Inc. Non-italicized dates collected by Horizons Engineering, PLLC
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TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FERNS PIK QUIK VIII
NHDES Site #199108023

Analytes	NHDES Risk-Based Standards (ug/l) ⁽¹⁾	MW-3							
		06/05/98 ⁽²⁾	05/29/01 ⁽²⁾	02/18/02 ⁽²⁾	11/14/02 ⁽²⁾	05/27/03 ⁽²⁾	08/06/04	08/05/05	
Top of Casing		568.76	568.76	568.76	568.76	568.76	568.76	568.76	
Water Table Elevation (ft)			565.28	563.80	564.07	565.94	564.28	564.38	
Volatile Organic Compounds	NH GW-1	CONCENTRATION, ug/l							
	NH GW-2								
Benzene	5	<100	7	29	30	3	200	210	
Toluene	1,000	<100	<1	<1	<10	<1	<1	1	
Ethylbenzene	700	<100	<1	<1	<10	<1	<1	<1	
m&p-xylene	NA ³	NT	<1	<1	<10	<1	<1	<1	
o-xylene	NA	NT	<1	<1	<10	<1	<1	3	
Total Detected Xylenes	10,000	BDL	BDL	BDL	BDL	BDL	BDL	3	
Total Detected BTEX	NA	BDL	7	29	30	3	200	214	
MTBE	13	50,000	5,200	1,400	3,500	5,000	500	8,900	
TBA	40	NT	NT	<50	<500	<50	670	300	
ETBE	40	NT	NT	<5	<50	<5	<5	<5	
DIPE	120	NT	NT	36	<50	<5	74	68	
TAME	140	NT	NT	8	<50	<5	25	21	
sec-Butylbenzene	260	NA	<1	<1	<10	<1	2	2	
n-Butylbenzene	260	NA	<1	<1	<10	<1	<1	<1	
tert-Butylbenzene	260	10,000	<100	<1	<10	<1	<1	<1	
1,2,4-Trimethylbenzene	330	10,000	<100	<1	<10	<1	<1	<1	
1,3,5-Trimethylbenzene	330	1,000	<100	<1	<10	<1	<1	<1	
n-Propylbenzene	260	10,000	<100	<1	<10	<1	<1	<1	
p-Isopropyltoluene	260	10,000	<100	<1	<10	<1	<1	<1	
Isopropylbenzene	280	NA	<100	<1	<10	<1	15	18	
Naphthalene	20	6,000	<100	<5	<5	<50	<5	<5	

Notes:

- 1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards.
Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04
- 2) Samples collected by Provan & Lorber, Inc. Non-italicized dates collected by Horizons Engineering, PLLC
- 3) NA = Standard not available.
Samples analyzed by Eastern Analytical, Inc. (EAI) for VOCs by EPA Method 8260B.
< = Detected analyte concentration below indicated laboratory detection limit.
Concentrations listed in **bold** equal to or greater than applicable NHDES GW-1 and/or GW-2 standard.
NT = Not tested for specified compound
* Dilution Factor for 8/5/05 sampling evenet for MBE was 20

TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FERNS PIK QUIK VIII
NHDES Site #199108023

Analytes	NHDES Risk-Based Standards (ug/l) ⁽¹⁾		MW-4															
	NH GW-1	NH GW-2	08/05/98 ⁽²⁾	11/10/00 ⁽²⁾	05/29/01 ⁽²⁾	02/18/02 ⁽²⁾	11/14/02 ⁽²⁾	05/27/03 ⁽²⁾	11/18/03 ⁽²⁾	05/21/04	08/06/04	12/03/04	05/15/05	08/05/05				
Top of Casing			580.72	580.72	580.72	580.72	580.72	580.72	580.72	580.72	580.72	580.72	580.72	580.72				
Water Table Elevation (ft)			570.72	569.39	570.21		567.97	570.38	570.18	570.85	570.32	569.64	570.31	570.77				
Volatile Organic Compounds																		
Benzene	5	2,000	98	<1	2			76	<1	17	2	<1	<1	25				
Toluene	1,000	6,000	140	<1	<1			190	<1	58	3	<1	<1	44				
Ethylbenzene	700	30,000	150	<1	<1			110	<1	130	27	<1	1	140				
m,p-xylene	NA ³	NA	NT	<1	<1			160	<1	300	18	<1	<1	250				
o-xylene	NA	NA	NT	<1	<1			110	<1	160	13	<1	<1	130				
Total Detected Xylenes	10,000	6,000	293	<1	<1			270	<1	460	31	BDL	1	360				
Total Detected BTEX	NA	NA	681	<1	2			646	<1	665	64	BDL	1	589				
MTBE	13	50,000	<10	<5	<5			<5	<5	16	21	11	14	7				
TBA	40	NA	NT	NT	NT			<50	<50	<50	<50	<50	<50	<30				
ETBE	40	NA	NT	NT	NT			<5	<5	<5	<5	<5	<5	<5				
DIPE	120	NA	NT	NT	NT			<5	<5	<5	<5	<5	<5	<5				
TAME	140	NA	NT	NT	NT			<5	<5	<5	<5	<5	<5	<5				
sec-Butylbenzene	260	NA	1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
n-Butylbenzene	260	NA	<1	<1	<1			<1	<1	2	<1	<1	<1	<1				
tert-Butylbenzene	260	10,000	<1	<1	<1			15	<1	<1	<1	<1	<1	<1				
1,2,4-Trimethylbenzene	330	10,000	110	<1	<1			32	<1	71	9	<1	<1	130				
1,3,5-Trimethylbenzene	330	1,000	38	<1	<1			3	<1	31	4	<1	<1	48				
n-Propylbenzene	260	10,000	12	<1	<1			<1	<1	11	2	<1	<1	14				
p-Isopropyltoluene	260	10,000	1	<1	<1			<1	<1	<1	<1	<1	<1	<1				
isopropylbenzene	280	NA	6	<1	<1			<1	<1	5	<1	<1	<1	<1				
Naphthalene	20	6,000	35	<5	<5			6	<5	24	<5	<5	<5	30				

Notes:
1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards.
Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04
2) Samples collected by Provan & Lorber, Inc. Non-italicized dates collected by Horizons Engineering, PLLC
3) NA = Standard not available.
Samples analyzed by Eastern Analytical, Inc. (EAI) for VOCs by EPA Method 8260B.
< = Detected analyte concentration below indicated laboratory detection limit.
Concentrations listed in bold equal to or greater than applicable NHDES GW-1 and/or GW-2 standard.
NT = Not tested for specified compound

TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FERNS PIK QUIK VIII
NHDES Site #199108023

Analytes	NHDES Risk-Based Standards (ug/l) ⁽¹⁾	MW-5		
		05/29/01 ⁽²⁾	02/18/02 ⁽²⁾	08/05/05
Top of Casing		578.97	578.97	578.97
Water Table Elevation (ft)		569.84	567.24	570.41
Volatile Organic Compounds		Concentration, ug/l		
Benzene	NH GW-1 5	NH GW-2 2,000	Not Sampled / Free Product	
Toluene	1,000	6,000		
Ethylbenzene	700	30,000		
m&p-xylene	NA ³	NA		
o-xylene	NA	NA		
Total Detected Xylenes	10,000	6,000		
Total Detected BTEX	NA	NA		
MTBE	13	50,000		
TBA	40	NA		
ETBE	40	NA		
DIPE	120	NA		
TAME	140	NA		
sec-Butylbenzene	260	NA	Not Sampled / Free Product	
n-Butylbenzene	260	NA		
tert-Butylbenzene	260	10,000		
1,2,4-Trimethylbenzene	330	10,000		
1,3,5-Trimethylbenzene	330	1,000		
n-Propylbenzene	260	10,000		
p-Isopropyltoluene	260	10,000		
isopropylbenzene	280	NA		
Naphthalene	20	6,000		

Notes:

1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards.
Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04

2) Samples collected by Provan & Lorber, Inc. Non-italicized dates collected by Horizons Engineering, PLLC

3) NA = Standard not available.

Samples analyzed by Eastern Analytical, Inc. (EAI) for VOCs by EPA Method 8260B.

< = Detected analyte concentration below indicated laboratory detection limit.

Concentrations listed in **bold** equal to or greater than applicable NHDES GW-1 and/or GW-2 standard.

NT = Not tested for specified compound

TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FERNS PIK QUIK VIII
NHDES Site #199108023

Analytes	NHDES Risk-Based Standards (ug/l) ⁽¹⁾	MW-6 (Decommissioned)		
		06/05/98 ⁽²⁾	05/29/01 ⁽²⁾	02/18/02 ⁽²⁾
Top of Casing				
Water Table Elevation (ft)		577.45	577.45	577.45
Volatile Organic Compounds			568.84	566.23
Benzene	NH GW-1 5	NH GW-2 2,000	CONCENTRATION, ug/l 2,500	
Toluene	1,000	6,000	4,400	30
Ethylbenzene	700	30,000	500	10
<i>m&p-xylene</i>	NA ³	NA	NT	<10
<i>o-xylene</i>	NA	NA	NT	50
Total Detected Xylenes	10,000	6,000	1,510	20
Total Detected BTEX	NA	NA	8,910	70
MTBE	13	50,000	5,900	110
TBA	40	NA	NT	40
ETBE	40	NA	NT	NT
DIPE	120	NA	NT	NT
TAME	140	NA	NT	NT
sec-Butylbenzene	260	NA	<100	<10
n-Butylbenzene	260	NA	<100	<10
tert-Butylbenzene	260	10,000	<100	<10
1,2,4-Trimethylbenzene	330	10,000	180	30
1,3,5-Trimethylbenzene	330	1,000	<100	<10
n-Propylbenzene	260	10,000	<100	<10
p-Isopropyltoluene	260	10,000	<100	<10
Isopropylbenzene	280	NA	<100	<10
Naphthalene	20	6,000	<100	<50

Not Sampled / Free Product

Notes:

- 1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards. Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04
- 2) Samples collected by Provan & Lorber, Inc. Non-italicized dates collected by Horizons Engineering, PLLC
- 3) NA = Standard not available.

Samples analyzed by Eastern Analytical, Inc. (EAI) for VOCs by EPA Method 8260B.

< = Detected analyte concentration below indicated laboratory detection limit.

Concentrations listed in **bold** equal to or greater than applicable NHDES GW-1 and/or GW-2 standard.

NT = Not tested for specified compound

TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FERNS PIK OUK VIII
NHDES Site #199108023

Analytes	NHDES Risk-Based Standards (ug/l) ⁽¹⁾		MW-7											
	08/05/98 ⁽²⁾	11/10/00 ⁽²⁾	05/29/01 ⁽²⁾	02/18/02 ⁽³⁾	11/14/02 ⁽³⁾	05/27/03 ⁽²⁾	11/18/03 ⁽³⁾	05/21/04	08/06/04	12/31/2004**	5/15/2005***	8/15/2005***		
Top of Casing	579.56	579.56	579.56	579.56	579.56	579.56	579.56	579.56	579.56	579.56	579.56	579.56		
Water Table Elevation (ft)	571.16	566.83	567.38	565.43	565.85	567.68	567.50	567.74	567.06	567.11	567.68	567.31		
Volatile Organic Compounds	CONCENTRATION, ug/l													
Benzene	NH GW-1 5	NH GW-2 2,000	1,400	1,100	1,500	510	1,200	1,500	3,300	3,400	3,000	1,700	4,900	2,500
Toluene	1,000	6,000	1,800	150	4,600	<10	22	650	490	2,600	1,100	400	5,200	3,800
Ethylbenzene	700	30,000	200	130	1,700	20	52	190	400	580	620	300	1,100	1,600
m&p-xylene	NA ³	NA	NT	NT	5,700	<10	<5	300	270	750	770	180	1,100	4,700
o-xylene	NA	NA	NT	NT	2,200	<10	<5	140	120	380	290	40	490	1,700
Total Detected Xylenes	10,000	6,000	700	100	7,900	<10	<5	440	390	1,130	1,060	220	1,590	6,400
Total Detected BTEX	NA	NA	4,100	1,480	15,700	530	1,274	2,780	4,580	7,710	5,780	2,620	12,790	14,300
MTBE	13	50,000	<10	3,200	2,000	1,000	1,300	1,400	3,000	2,700	2,600	1,500	3,300	1,400
TBA	40	NA	NT	NT	NT	<50	400	<500	<300	<300	<500	<1000	200	<600
ETBE	40	NA	NT	NT	NT	<50	<30	<50	<30	<30	<50	<100	<10	<100
DIPE	120	NA	NT	NT	NT	<50	<30	<50	40	40	<50	<100	30	<100
TAME	140	NA	NT	NT	NT	<50	<30	<50	<30	<30	<50	<100	10	<100
sec-Butylbenzene	260	NA	<10	<10	<10	<10	<5	<10	<5	<5	<10	<20	3	30
n-Butylbenzene	260	NA	<10	<10	70	<10	<5	10	<5	<5	<10	<20	2*	60*
tert-Butylbenzene	260	10,000	<10	<10	<10	<10	<5	<10	<5	<5	<10	<20	<2	<20
1,2,4-Trimethylbenzene	330	10,000	80	20	2,000	<10	<5	100	70	180	150	30	250	2,000
1,3,5-Trimethylbenzene	330	1,000	40	<10	590	<10	<5	80	45	70	60	<20	93	650
n-Propylbenzene	260	10,000	20	10	290	<10	6	30	32	49	50	20	63	320
p-Isopropyltoluene	260	10,000	<10	<10	<10	<10	<5	<10	<5	<5	<10	<20	<2	<20
Isopropylbenzene	280	NA	10	<10	100	<10	9	20	17	26	30	<20	32	110
Naphthalene	20	6,000	20	<50	280	<50	<30	<50	<30	60	50	<100	70	200

Notes:
1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards. Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04
2) Samples collected by Provan & Lobber, Inc. Non-italicized dates collected by Horizons Engineering, PLLC
3) NA = Standard not available.
Samples analyzed by Eastern Analytical, Inc. (EA) for VOCs by EPA Method 8260B.
< = Detected analyte concentration below indicated laboratory detection limit.
Concentrations listed in bold equal to or greater than applicable NHDES GW-1 and/or GW-2 standard.
NT = Not tested for specified compound
** Dilution Factor for 12/3/04 and 8/05/05 Sampling events was 20
*** Dilution Factor for 5/15/05 Sampling event was 2 with the exception of MTBE (200 Dilution Factor), Benzene (200), Toluene (200), and Ethylbenzene (200)
* This value may be elevated due to non-target interference

TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FERNS PIK QUIC VIII
NHDES Site #199108023

Analytes		NHDES Risk-Based Standards (ug/l) ⁽¹⁾	MW-8									
			08/05/98 ⁽²⁾	11/10/00 ⁽²⁾	05/29/01 ⁽²⁾	02/18/02 ⁽²⁾	11/14/02 ⁽²⁾	05/27/03 ⁽²⁾	08/06/04	08/05/05		
Top of Casing			582.90	582.90	582.90	582.90	582.90	582.90	582.90	582.90		
Water Table Elevation (ft)			571.16	566.83	567.38	565.43	565.85	567.68	570.80	571.24		
Volatile Organic Compounds		NH GW-1	NH GW-2	CONCENTRATION, ug/l								
Benzene		5	2,000	<1	1	<1	NOT SAMPLED / WELL DRY					
Toluene		1,000	6,000	<1	7	<1						
Ethylbenzene		700	30,000	<1	1	<1						
m&p-xylene		NA ³	NA	NT	4	NT						
o-xylene		NA	NA	NT	1	NT						
Total Detected Xylenes		10,000	6,000	<2	5	<2						
Total Detected BTEX		NA	NA	<5	14	<5						
MTBE		13	50,000	<1	<5	<5						
TBA		40	NA	NT	NT	NT						
ETBE		40	NA	NT	NT	NT						
DIPE		120	NA	NT	NT	NT						
TAME		140	NA	NT	NT	NT						
sec-Butylbenzene		260	NA	<1	<1	<1	NOT SAMPLED / WELL DRY					
n-Butylbenzene		260	NA	<1	<1	<1						
tert-Butylbenzene		260	10,000	<1	<1	<1						
1,2,4-Trimethylbenzene		330	10,000	<1	1	<1						
1,3,5-Trimethylbenzene		330	1,000	<1	<1	<1						
n-Propylbenzene		260	10,000	<1	<1	<1						
p-Isopropyltoluene		260	10,000	<1	<1	<1						
Isopropylbenzene		280	NA	<1	<1	<1						
Naphthalene		20	6,000	<1	<5	<5						

Notes:

1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards.
Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04

2) Samples collected by Provan & Lorber, Inc. Non-italicized dates collected by Horizons Engineering, PLLC

3) NA = Standard not available.

Samples analyzed by Eastern Analytical, Inc. (EAI) for VOCs by EPA Method 8260B.

< = Detected analyte concentration below indicated laboratory detection limit.

Concentrations listed in **bold** equal to or greater than applicable NHDES GW-1 and/or GW-2 standard.

NT = Not tested for specified compound

TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FERNS PIK CUIK VIII
NHDES Site #199108023

Analytes	NHDES Risk-Based Standards (ug/l) ⁽¹⁾		MW-9											
	NH GW-1	NH GW-2	08/05/98 ⁽²⁾	11/10/00 ⁽²⁾	05/29/01 ⁽²⁾	02/18/02 ⁽²⁾	11/14/02 ⁽²⁾	11/18/03 ⁽²⁾	05/12/04	08/06/04	12/22/2004**	5/15/05**	8/4/05***	
Top of Casing			576.47	576.47	576.47	576.47	576.47	576.47	576.47	576.47	576.47	576.47	576.47	
Water Table Elevation (ft)			570.02	558.90	569.69	570.26	567.67	569.68	570.40	568.83	569.34	569.86	570.20	
Volatile Organic Compounds			CONCENTRATION, ug/l											
Benzene	5	2,000	1,200	4,300	3,000	1,500	3,600	2,700	4,600	2,200	3,000	2,900	3,100	
Toluene	1,000	6,000	2,600	12,000	8,900	3,900	23,000	13,000	21,000	9,600	14,000	15,000	15,000	
Ethylbenzene	700	30,000	210	800	700	320	4,700	1,200	1,800	790	980	1,300	1,300	
m,p-xylene	NA ³	NA	NT	2,600	2,300	1,000	16,000	3,900	5,900	2,500	3,500	4,400	4,400	
o-xylene	NA	NA	NT	1,000	1,000	430	7,500	1,600	2,600	1,200	1,600	1,900	1,800	
Total Detected Xylenes	10,000	6,000	970	3,600	3,300	1,430	23,500	5,500	8,500	3,700	5,100	6,300	6,200	
Total Detected BTEX	NA	NA	4,980	20,700	15,900	7,150	54,800	22,400	35,900	16,280	23,080	25,500	25,600	
MTBE	13	50,000	800	2,800	1,500	910	900	300	400	440	540	390	430	
TBA	40	NA	NT	NT	NT	<500	<5,000	<5,000	<5,000	<500	<3000	<3000	<2000	
ETBE	40	NA	NT	NT	NT	<50	<500	<500	<500	<50	<300	<300	<300	
DIPE	120	NA	NT	NT	NT	<50	<500	<500	<500	<50	<300	<300	<300	
TAME	140	NA	NT	NT	NT	<50	<500	<500	<500	<50	<300	<300	<300	
sec-Butylbenzene	260	NA	<10	<100	<100	<10	<100	<100	<100	<10	<50	<50	<50	
n-Butylbenzene	260	NA	<10	<100	<100	<10	<100	<100	<100	<10	<50	<50	<50	
tert-Butylbenzene	260	10,000	<10	<100	<100	<10	<100	<100	<100	<10	<50	<50	<50	
1,2,4-Trimethylbenzene	330	10,000	110	400	300	140	4,300	600	800	410	430	560	560	
1,3,5-Trimethylbenzene	330	1,000	40	<100	<100	40	1,200	300	200	120	120	150	140	
n-Propylbenzene	260	10,000	10	<100	<100	<10	500	<100	100	60	<50	<50	70	
p-Isopropyltoluene	260	10,000	<10	<100	<100	<10	<100	<100	<100	<10	<50	<50	<50	
Isopropylbenzene	280	NA	<10	<100	<100	<10	100	<100	<100	20	<50	<50	<50	
Naphthalene	20	6,000	20	<500	<500	<500	<500	<500	<500	70	<300	<300	<300	

Notes:

- 1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards. Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04.
 - 2) Samples collected by Provan & Lorber, Inc. Non-italicized dates collected by Horizons Engineering, PLLC.
 - 3) NA = Standard not available.
- Samples analyzed by Eastern Analytical, Inc. (EAI) for VOCs by EPA Method 8260B.
- < = Detected analyte concentration below indicated laboratory detection limit.
- Concentrations listed in bold equal to or greater than applicable NHDES GW-1 and/or GW-2 standard.
- NT = Not tested for specified compound
- **Dilution Factor for 12/2/04 and 5/15/2005 sampling was 30
- ***Dilution Factor for 8/4/05 sampling was 50

TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FEERNS PIK QUIK VIII
NHDES Site #199108023

Analytes	NHDES Risk-Based Standards (ug/l) ⁽¹⁾		MW-10			
			08/05/98 ⁽²⁾	05/29/01 ⁽²⁾	02/18/02 ⁽²⁾	
Top of Casing			578.17	578.17	578.17	
Water Table Elevation (ft)			573.12	574.84	569.82	
Volatile Organic Compounds			CONCENTRATION, ug/l			
Benzene	NH GW-1	NH GW-2	1,200	1,400		
Toluene	5	2,000	38,000	14,000		
Ethylbenzene	1,000	6,000	4,700	3,000		
<i>m&p-xylene</i>	700	30,000	-	11,000		
<i>o-xylene</i>	NA ³	NA	-	4,300		
Total Detected Xylenes	NA	NA	23,100	15,300		
Total Detected BTEX	10,000	6,000	67,000	33,700		
MTBE	NA	NA	<1,000	200		
TBA	13	50,000	NT	NT		
ETBE	40	NA	NT	NT		
DIPE	40	NA	NT	NT		
TAME	120	NA	NT	NT		
	140	NA	NT	NT		
sec-Butylbenzene	260	NA	<100	<100		
n-Butylbenzene	260	NA	<100	100		
tert-Butylbenzene	260	10,000	270	<100		
1,2,4-Trimethylbenzene	260	10,000	2,700	2,400		
1,3,5-Trimethylbenzene	330	1,000	940	600		
n-Propylbenzene	330	10,000	360	300		
p-isopropyltoluene	260	10,000	<100	<100		
isopropylbenzene	260	NA	130	<100		
Naphthalene	280	NA	510	<500		
	20	6,000				

NOT SAMPLED / FREE PRODUCT

Notes:

- 1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards. Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04
- 2) Samples collected by Provan & Lorber, Inc. Non-italicized dates collected by Horizons Engineering, PLLC
- 3) NA = Standard not available.

Samples analyzed by Eastern Analytical, Inc. (EAI) for VOCs by EPA Method 8260B.

< = Detected analyte concentration below indicated laboratory detection limit.

Concentrations listed in **bold** equal to or greater than applicable NHDES GW-1 and/or GW-2 standard.

NT = Not tested for specified compound

TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FERNS PIK QUIK VIII
NHDES Site #199108023

Analytes	NHDES Risk-Based Standards (ug/l) ⁽¹⁾	MW-101			
		11/10/00 ⁽²⁾	05/29/01 ⁽²⁾	02/18/02 ⁽²⁾	11/14/02 ⁽²⁾
Top of Casing		587.44	587.44	587.44	587.44
Water Table Elevation (ft)		572.47	577.05	-	570.59
Volatile Organic Compounds	NH GW-1	CONCENTRATION, ug/l			
Benzene	5	24,000	9,800	NOT SAMPLED / WELL DRY	
Toluene	1,000	78,000	50,000		
Ethylbenzene	700	4,000	4,900		
<i>m&p-xylene</i>	NA ³	18,000	28,000		
<i>o-xylene</i>	NA	7,000	12,000		
Total Detected Xylenes	10,000	25,000	40,000		
Total Detected BTEX	NA	131,000	104,700		
MTBE	13	50,000	500		
TBA	40	NA	NT		
ETBE	40	NA	NT		
DIPE	120	NA	NT		
TAME	140	NA	NT		
sec-Butylbenzene	260	NA	<1,000	<100	100
n-Butylbenzene	260	NA	<1,000	<100	<100
tert-Butylbenzene	260	10,000	<1,000	<100	<100
1,2,4-Trimethylbenzene	330	10,000	2,000	4,700	13,000
1,3,5-Trimethylbenzene	330	1,000	<1,000	1,200	4,300
n-Propylbenzene	260	10,000	<1,000	500	1,600
p-Isopropyltoluene	260	10,000	<1,000	<100	<100
Isopropylbenzene	280	NA	<1,000	200	600
Naphthalene	20	6,000	<5,000	700	1,800

Notes:

- 1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards. Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04
 - 2) Samples collected by Provan & Lorber, Inc. Non-italicized dates collected by Horizons Engineering, PLLC
 - 3) NA = Standard not available.
- Samples analyzed by Eastern Analytical, Inc. (EAI) for VOCs by EPA Method 8260B.
 < = Detected analyte concentration below indicated laboratory detection limit.
 Concentrations listed in **bold** equal to or greater than applicable NHDES GW-1 and/or GW-2 standard.
 NT = Not tested for specified compound

TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FERNS PIK QUIK VIII
NHDES Site #199108023

Analytes	NHDES Risk-Based Standards (ug/l) ⁽¹⁾		MW-102		
			11/10/00 ⁽²⁾	05/29/01 ⁽²⁾	02/18/02 ⁽²⁾
Top of Casing			586.94	586.94	586.94
Water Table Elevation (ft)					
Volatile Organic Compounds			CONCENTRATION, ug/l		
Benzene	NH GW-1	NH GW-2			
	5	2,000			
Toluene	1,000	6,000			
Ethylbenzene	700	30,000			
m&p-xylene	NA ³	NA			
o-xylene	NA	NA			
Total Detected Xylenes	10,000	6,000			
Total Detected BTEX	NA	NA			
MTBE	13	50,000			
TBA	40	NA			
ETBE	40	NA			
DIPE	120	NA			
TAME	140	NA			
sec-Butylbenzene	260	NA			
n-Butylbenzene	260	NA			
tert-Butylbenzene	260	10,000			
1,2,4-Trimethylbenzene	330	10,000			
1,3,5-Trimethylbenzene	330	1,000			
n-Propylbenzene	260	10,000			
p-Isopropyltoluene	260	10,000			
Isopropylbenzene	280	NA			
Naphthalene	20	6,000			

Notes:

- 1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards. Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04
- 2) Samples collected by Provan & Lotber, Inc. Non-italicized dates collected by Horizons Engineering, PLLC
- 3) NA = Standard not available.

Samples analyzed by Eastern Analytical, Inc. (EAI) for VOCs by EPA Method 8260B.

< = Detected analyte concentration below indicated laboratory detection limit.

Concentrations listed in **bold** equal to or greater than applicable NHDES GW-1 and/or GW-2 standard.

NT = Not tested for specified compound

TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FERNS PIK QUIK VIII
NHDES Site #199108023

Analytes	NHDES Risk-Based Standards (ug/l) ⁽¹⁾		NM-107											
			11/10/00 ⁽²⁾	05/29/01 ⁽²⁾	02/18/02 ⁽²⁾	11/14/02 ⁽²⁾	05/27/03 ⁽²⁾	11/19/03 ⁽²⁾	05/21/04	08/06/04	12/3/04*	5/15/05**	8/4/05**	
Top of Casing			585.99	585.99	585.99	585.99	585.99	585.99	585.99	585.99	585.99	585.99	585.99	
Water Table Elevation (ft)				570.83	568.16	568.59	570.37	569.89	570.54	569.99	568.47	569.27	569.27	
Volatile Organic Compounds			CONCENTRATION, ug/l											
Benzene	NH GW-1	NH GW-2	1,100	14,000	15,000	19,000	19,000	7,200	9,000	3,900	5,900	8,600	6,900	
Toluene	1,000	6,000	150	25,000	41,000	80,000	48,000	13,000	23,000	8,300	15,000	24,000	17,000	
Ethylbenzene	700	30,000	130	2,300	3,500	5,300	4,000	1,700	2,000	700	1,400	2,300	1,200	
m,p-xylene	NA ³	NA	80	8,000	11,000	18,000	14,000	3,900	8,200	2,800	4,900	7,600	5,500	
o-xylene	NA	NA	20	3,400	4,600	8,300	5,700	1,900	3,800	1,300	2,200	3,500	2,700	
Total Detected Xylenes	10,000	6,000	100	11,400	15,600	28,300	19,700	5,800	12,000	4,100	7,100	11,100	8,200	
Total Detected BTEX	NA	NA	1,480	52,700	75,100	130,600	90,700	27,700	46,000	17,000	29,400	46,000	33,300	
MTBE	13	50,000	3,200	61,000	19,000	14,000	19,000	7,700	8,600	5,000	3,200	7,900	6,500	
TBA	40	NA	NT	NT	<5,000	<5,000	<5,000	<5,000	<5,000	<5,000	<3,000	<3,000	<2000	
ETBE	40	NA	NT	NT	<500	<500	<500	<500	<500	<500	<300	<300	<300	
DIPE	120	NA	NT	NT	<500	<500	<500	<500	<500	<500	<300	<300	<300	
TAME	140	NA	NT	NT	<500	<500	<500	<500	<500	<500	<300	<300	<300	
sec-Butylbenzene	260	NA	<10	<100	<100	<100	<100	<100	<100	<100	<50	<50	<50	
n-Butylbenzene	260	NA	<10	<100	<100	<100	<100	<100	<100	<100	<50	<50	<50	
tert-Butylbenzene	260	10,000	<10	<100	<100	<100	<100	<100	<100	<100	<50	<50	<50	
1,2,4-Trimethylbenzene	330	10,000	20	1,000	1,400	2,000	1,700	500	1,400	400	570	1,100	800	
1,3,5-Trimethylbenzene	330	1,000	<10	300	400	500	600	300	400	100	160	300	240	
n-Propylbenzene	260	10,000	10	100	<100	200	<100	<100	<100	<100	<50	<50	<50	
p-Isopropyltoluene	260	10,000	<10	<100	<100	<100	<100	<100	<100	<100	<50	<50	<50	
Isopropylbenzene	280	NA	<10	<100	<100	<100	<100	<100	<100	<100	<50	<50	<50	
Naphthalene	20	6,000	<50	<500	<500	<500	<500	<500	<500	<500	<300	<300	<300	

Notes:

- 1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards. Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04
 - 2) Samples collected by Provan & Lorber, Inc. Non-italicized dates collected by Horizons Engineering, PLLC
 - 3) NA = Standard not available.
- Samples analyzed by Eastern Analytical, Inc. (EAI) for VOCs by EPA Method 8260B.
- < = Detected analyte concentration below indicated laboratory detection limit.
- Concentrations listed in bold equal to or greater than applicable NHDES GW-1 and/or GW-2 standard.
- NT = Not tested for specified compound
- ** Dilution Factor for 12/3/04 sampling event was 50 with the exception of Toluene with a dilution factor of 500
- ** Dilution Factor for 5/15/05 and 8/4/05 sampling events was 50 with the exception of Toluene with a dilution factor of 100

TABLE 2
GROUNDWATER QUALITY ANALYTICAL DATA SUMMARY
FORMER FERNS PIK QUIC VIII
NHDES Site #199108023

Analytes	NHDES Risk-Based Standards (ug/l) ⁽¹⁾	MW-108									
		05/29/01 ⁽²⁾	02/18/02 ⁽²⁾	11/14/02 ⁽²⁾	11/18/03 ⁽²⁾	05/21/04	08/06/04	12/3/2004**	5/15/2005**	8/4/2005**	
Top of Casing		586.06	586.06	586.06	586.06	586.06	586.06	586.06	586.14	586.14	
Water Table Elevation (ft)		568.45	566.56	566.96	568.54	568.83	568.17	568.19	569.06	568.60	
Volatiles Organic Compounds	NH GW-1 NH GW-2	CONCENTRATION, ug/l									
Benzene	5 2,000	70	4,200	810	60	50	780	350	7	1,700	
Toluene	1,000 6,000	<10	28	<10	170	160	20	<10	65	<10	
Ethylbenzene	700 30,000	<10	1	<10	40	90	30	<10	13	<10	
m&p-xylene	NA ³ NA	40	10	<10	3,700	880	450	130	200	20	
o-xylene	NA NA	30	18	<10	1,700	340	170	60	130	10	
Total Detected Xylene:	10,000 6,000	70	28	<20	5,400	1,220	620	190	330	30	
Total Detected BTEX	NA NA	140	4,257	810	5,670	1,520	1,450	540	415	1,730	
MTBE	13 50,000	1,400	27,000 ⁽⁴⁾	4,400	140	20	1,800	2,000	<5	2,700	
TBA	40 NA	NT	3,700 ⁽⁴⁾	900	<500	<500	<500	<500	<50	<300	
ETBE	40 NA	NT	<5	<50	<50	<50	<50	<50	<5	<50	
DIPE	120 NA	NT	200	<50	<50	<50	<50	<50	<5	60	
TAME	140 NA	NT	60	<50	<50	<50	<50	<50	<5	<50	
sec-Butylbenzene	260 NA	<10	<1	<10	20	10	20	<10	3	<10	
n-Butylbenzene	260 NA	<10	2	<10	<10	60	120	10	8*	<10	
tert-Butylbenzene	260 10,000	<10	<1	<10	<10	<10	<10	<10	<1	<10	
1,2,4-Trimethylbenzene	330 10,000	10	1	<10	1,300	830	660	250	140	30	
1,3,5-Trimethylbenzene	330 1,000	<10	1	<10	520	340	290	100	110	10	
n-Propylbenzene	260 10,000	<10	2	<10	60	50	40	10	4	<10	
p-Isopropyltoluene	260 10,000	<10	<1	<10	10	<10	10	<10	3	<10	
Isopropylbenzene	280 NA	<10	15	<10	30	<100	20	<10	1	20	
Naphthalene	20 6,000	<50	<5	<50	150	<50	<50	<50	25	<50	

- Notes:
- 1) Regulatory standards listed as NH Dept. of Environmental Services (NHDES) risk-based standards. Source: NHDES Risk Characterization and Management Policy, 1/1/1998, revised 4/15/04
 - 2) Samples collected by Provan & Lorber, Inc. Non-italicized dates collected by Horizons Engineering, PL
 - 3) NA = Standard not available.
- Samples analyzed by Eastern Analytical, Inc. (EAI) for VOCs by EPA Method 8260B.
- < = Detected analyte concentration below indicated laboratory detection limit.
- Concentrations listed in bold equal to or greater than applicable NHDES GW-1 and/or GW-2 standard
- NT = Not tested for specified compound
- BDL = Below Detectable Levels
- 4) The reported concentration exceeded laboratory instrument calibration; value is an estimate
- ** Dilution Factor for the 12/3/04, 5/15/05, and 8/4/05 sampling events was 10
- *This value may be elevated due to non-target interference