NHG-910042

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**: Mac's Convenience Store and Gasoline Statopm		**Facility/site** address: 1035 Route 12		
Location of **facility/site**: longitude:_____ latitude:_____	Facility SIC code(s): 4471	Street: Route 12		
b) Name of **facility/site owner:** Sherman V. Allen, Inc.		Town: East Westmoreland		
Email address of owner: dpoalino@svallen.com		State: NH	Zip: 03467	County: Chesire
Telephone no.of facility/site **owner**: (802) 770-2916				
Fax no. of facility/site **owner**: (802) 775-7776		**Owner** is (check one): 1. Federal____ 2. State/Tribal_____ 3. Private ✓ 4. other, if so, describe:		
Address of **owner** (if different from site):				
Street: 126 Post Street, P.O. Box 865				
Town: Rutland	State: VT	Zip: 05702	County: Rutland	
c) Legal name of **operator**: Wilcox & Barton, Inc		**Operator** telephone no: (603) 715-1647		
		Operator fax no.: (603) 715-1647	**Operator** email: rbarton@wilcoxandbarton.com	
Operator contact name and title: Russell W. Barton, Principal				

Address of **operator** (if different from owner):	Street: 57 Hoit Rd		
Town: Concord	State: NH	Zip: 03301	County: Merrimack

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: 1
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes ✓ No___, if "yes," date and tracking #: July 2007, NHG070037
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: 200104086 2. permit or license # assigned: UST Facility 0111843 3. state agency contact information: name, location, and telephone number: TBD, NHDES, Concord, NH 603-271-3644	f) Is the site/facility covered by any other EPA permit, including: 1. multi-sector storm water general permit? Y___ N ✓, if Y, number: 2. phase I or II construction storm water general permit? Y___ N ✓, if Y, number: 3. individual NPDES permit? Y___ N ✓, if Y, number: 4. any other water quality related permit? Y___ N ✓, if Y, number:

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

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

Dewatering for purposes of underground storage tank installation and placement of backfill. Discharge to Old Mill Brook adjacent to project site will follow treatment by settling, sediment filtration, and carbon filtration. Petroleum-related contaminants have not been detected in groundwater by the limited sampling conducted to date. RGP coverage is desired in the event that contaminated groundwater is encountered during construction. Contaminated soil is suspected. General permit coverage for ocnstruction site dewatering previously provided by NHG070037.

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 .178 Average flow .111 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. Dewatering system is designed to extract groundwater at a rate of 0.111 cfs (50 gpm) during working hours. Treatment system is designed to process this flow, but may continue operation beyond working hours. Attenuation/storage provided by frac tank.

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

4) If hydrostatic testing, total volume of the discharge (gals): NA	5) Is the discharge intermittent_____or seasonal_____? Is discharge ongoing Yes____ No_____?
c) Expected dates of discharge (mm/dd/yy): start 10/19/07 end 11/30/07	
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 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids	✓									
2. Total Residual Chlorine	✓									
3. Total Petroleum Hydrocarbons	✓		1	grab	8015M	10	10	1.5e-4	10	9.6e-5
4. Cyanide	✓									
5. Benzene	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
6. Toluene	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
7. Ethylbenzene	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
8. (m,p,o) Xylenes	✓		1	grab	8260	3.0	3.0	4.6e-5	3.0	2.9e-3
9. Total BTEX[4]	✓		1	grab	8260	6.0	6.0	9.2e-5	6.0	5.8e-3

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide (1,2- Dibromo-methane)	✓		1	grab	8260	0.5	0.5	7.7e-6	0.5	4.8e-6
11. Methyl-tert-Butyl Ether (MtBE)	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
12. tert-Butyl Alcohol (TBA)	✓		1	grab	8260	25.0	25.0	3.8e-4	25.0	2.4e-3
13. tert-Amyl Methyl Ether (TAME)	✓		1	grab	8260	0.5	0.5	7.7e-6	0.5	4.8e-6
14. Naphthalene	✓		1	grab	8260	2.0	2.0	3.1e-5	2.0	1.92e-5
15. Carbon Tetra-chloride	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
16. 1,4 Dichlorobenzene	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
17. 1,2 Dichlorobenzene	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
18. 1,3 Dichlorobenzene	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
19. 1,1 Dichloroethane	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
20. 1,2 Dichloroethane	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
21. 1,1 Dichloroethylene	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
22. cis-1,2 Dichloro-ethylene	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
23. Dichloromethane (Methylene Chloride)	✓		1	grab	8260	5.0	5.0	7.7e-5	5.0	4.8e-5
24. Tetrachloroethylene	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
26. 1,1,2 Trichloroethane	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
27. Trichloroethylene	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
28. Vinyl Chloride	✓		1	grab	8260	2.0	2.0	3.1e-5	2.0	1.9e-5
29. Acetone	✓		1	grab	8260	50	50.0	7.7e-4	50.0	4.8e-4
30. 1,4 Dioxane	✓		1	grab	8260	50	50.0	7.7e-4	50.0	4.8e-4
31. Total Phenols	✓									
32. Pentachlorophenol	✓									
33. Total Phthalates [5] (Phthalate esthers)	✓									
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓									
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	grab	8270	1.6	1.6	2.5e-5	1.6	1.5e-5
a. Benzo(a) Anthracene	✓		1	grab	8270	0.05	0.05	8.0e-7	0.05	4.8e-7
b. Benzo(a) Pyrene	✓		1	grab	8270	0.1	0.1	1.5e-6	0.1	9.6e-7
c. Benzo(b)Fluoranthene	✓		1	grab	8270	0.05	0.05	8.0e-7	0.05	4.8e-7
d. Benzo(k) Fluoranthene	✓		1	grab	8270	0.2	0.2	3.1e-6	0.2	1.9e-6
e. Chrysene	✓		1	grab	8270	0.2	0.2	3.1e-6	0.2	1.9e-6

[5] The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
f. Dibenzo(a,h) anthracene	✓		1	grab	8270	0.5	0.5	8.0e-6	0.5	4.8e-6
g. Indeno(1,2,3-cd) Pyrene	✓		1	grab	8270	0.5	0.5	8.0e-6	0.5	4.8e-6
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	grab	8270	4.85	4.85	7.5e-5	4.85	4.6e-5
h. Acenaphthene	✓		1	grab	8270	0.3	0.3	4.6e-6	0.3	2.9e-6
i. Acenaphthylene	✓		1	grab	8270	0.3	0.3	4.6e-6	0.3	2.9e-6
j. Anthracene	✓		1	grab	8270	0.2	0.2	3.1e-6	0.2	1.9e-6
k. Benzo(ghi) Perylene	✓		1	grab	8270	0.5	0.5	8.0e-6	0.5	4.8e-6
l. Fluoranthene	✓		1	grab	8270	0.5	0.5	8.0e-6	0.5	4.8e-65
m. Fluorene	✓		1	grab	8270	1.0	1.0	1.5e-5	1.0	9.6e-6
n. Naphthalene-	✓		1	grab	8260	1.0	1.0	1.5e-5	1.0	9.6e-6
o. Phenanthrene	✓		1	grab	8270	0.05	0.05	8.0e-7	0.05	4.8e-7
p. Pyrene	✓		1	grab	8270	1.0	1.0	1.5e-5	1.0	9.6e-6
37. Total Polychlorinated Biphenyls (PCBs)	✓									
38. Antimony	✓		1	grab	7041	2.0	2.0	3.1e-5	2.0	1.9e-5
39. Arsenic	✓		1	grab	7060	0.5	0.5	8.0e-6	0.5	4.8e-6
40. Cadmium		✓	1	grab	6010	0.5	1.0	1.5e-5	1.0	9.6e-6
41. Chromium III	✓		1	grab	6010	4.0	4.0	6.0e-5	4.0	4.0e-5
42. Chromium VI	✓		1	grab	6010	4.0	4.0	6.0e-5	4.0	4.0e-5

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	6010	0.5	0.5	8.0e-6	0.5	4.8e-6
44. Lead	✓		1	grab	6010	3.0	3..0	4.6e-5	3.0	2.9e-5
45. Mercury	✓		1	grab	7470	0.04	0.04	6.0e-7	0.04	4.0e-7
46. Nickel	✓		1	grab	6010	3.0	3.0	4.6e-5	3.0	2.9e-5
47. Selenium	✓		1	grab	6010	50	50	8.0e-4	50	4.8e-6
48. Silver	✓		1	grab	6010	5.0	5.0	8.0e-5	5.0	4.8e-5
49. Zinc	✓		1	grab	6010	5.0	5.0	8.0e-5	5.0	4.8e-5
50. Iron	✓									
Other (describe):										

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

Step 1: Do any of the metals in the influent have a **reasonable potential** to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y ✓ N____	If yes, which metals? Cadmium
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: Cadmium 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: Cadmium (Appendix IV limit = 0.8 ug/l)

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 Figure for a schematic of the treatment train. Extracted groundwater will be routed to a 20,000-gallon fractionation tank. Water will be treated in batches to provide for settling of sediments in the frac tank. The treatment train will consist of dual 25-micron filter bags in pressure housings, followed by two 1000-lb granular activated carbon canisters in series. Final polishing will be provided by silt fencing and haybales. Influent, midfluent and effluent sample ports will be provided, along with a totalizing flow meter. Following treatment, water will be discharged by overland pipe to the Mill Brook.

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): pH adjustment at bag filter as necessary			

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 50 gpm Maximum flow rate of treatment system 75 gpm Design flow rate of treatment system 75 gpm

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

None planned. GAC is expected to be adequate to address all organic contaminants. Fine particulate filtration and carbon units are expected to reduce the total metals concentration to within acceptable discharge limits.

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:

Direct discharge via temporary overland pipe/hose from treatment system to bank of Old Mill Brook, upstream of final filter/haybale barrier to eliminate scouring and local erosion at point of discharge, as shown on Figure 2. Actual project /discharge duration is expected to be less than two weeks. Requested permit dates are provided to accomodate construction delays if encounterd.

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 0.13 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)?
Per telephone conversation with Greg Comstock, Contoocook River is not impaired at this location.

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

6. Results of Consultation with Federal Services: Please provide the following information according to requirements of Part I.B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes____No✓
Has any consultation with the federal services been completed ? ✓ No___ or is consultation underway? Yes No____
What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (~~check~~ one):
a "no jeopardy" opinion? _____or written concurrence✓ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?

b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?
Yes_____ No✓ Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes✓ No_____

7. Supplemental information. :

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

Attachments

Figure 1, Site Location Map
Figure 2, Site Plan showing treatment system and discharge location
Figure 3, Treatement System Process & Instrumentation Diagram
Table 1, Groundwater Analytical Results, May 2007 Test Pit grab sample
Fish & Wildlife Concurrence
Historic Resources Office Concurrence

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:

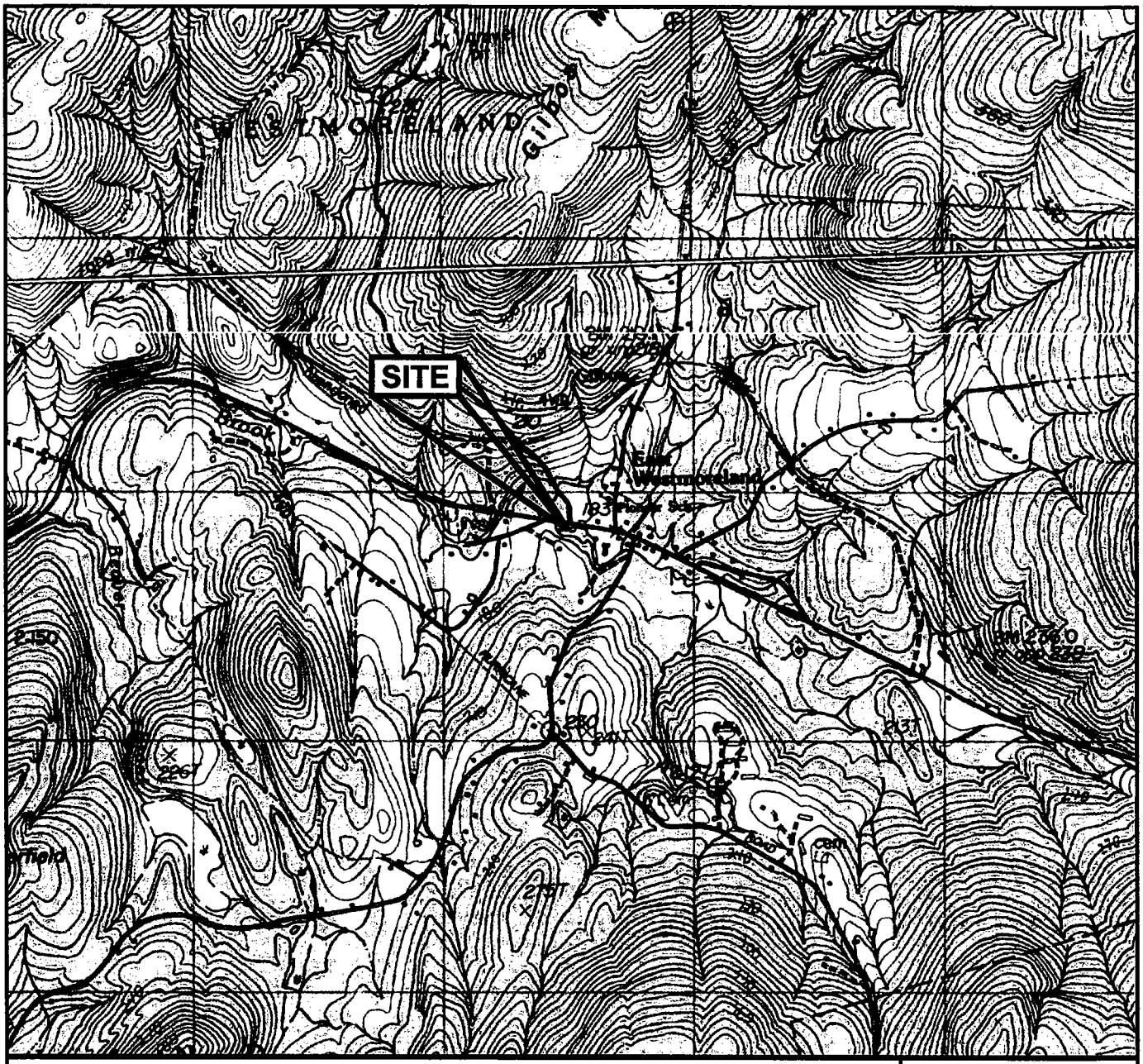
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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: Mac's Market and Dispensing Facility

Operator signature:

Title: Vice President

Date: 10/16/07



SCALE: 1:25 000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 6 METERS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

DATE	SCALE	FILE
March 1, 2007	As shown	Macs Site Loc Map
APPROVED BY: RWB	DRAWN BY: PJP	REVISED:

Wilcox & Barton INC.
ENVIRONMENTAL AND ENGINEERING SERVICES

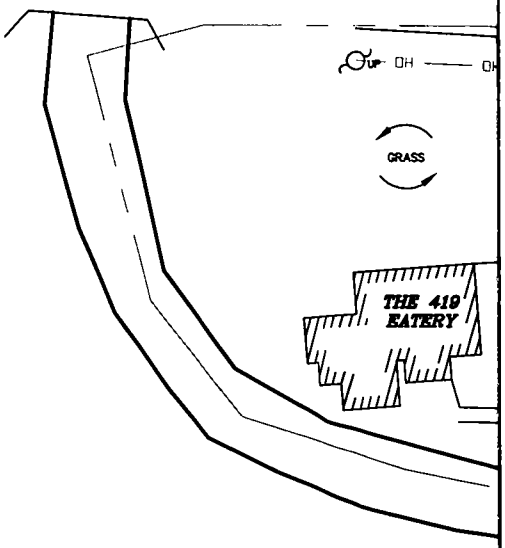
CLIENT	JOB NUMBER
Sherman V. Allen, Inc.	SVAI0001

LOCATION
Mac's Market
1035 Route 12
Westmoreland, New Hampshire

MAP SOURCE
Keene, New Hampshire
USGS QUAD 1984

SITE LOCATION MAP

Figure 1



LEGEND

- CONCRETE
- PROPERTY LINE
- SPLIT RAIL FENCE
- OH — OVERHEAD LINES
- UP — UTILITY POLE
- PDW — POTABLE DRINKING WATER WELL
- (S) — SEPTIC TANK MANHOLE
- E — UNDERGROUND UST ELECTRICAL LINES
- P — PREM UNLEADED GASOLINE SUPPLY LINES
- R — REG UNLEADED GASOLINE SUPPLY LINES
- DSL — DIESEL FUEL SUPPLY LINES

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. PLAN BASED ON THE WILCOX & BARTON SITE VISIT ON FEBRUARY 27, 2007, AND THE PROPERTY MAP OF WESTMORELAND, NH PREPARED BY JOHN E. O'DONNELL & ASSOCIATES DATED 1976.

GRAPHIC SCALE

50 0 25 50 100

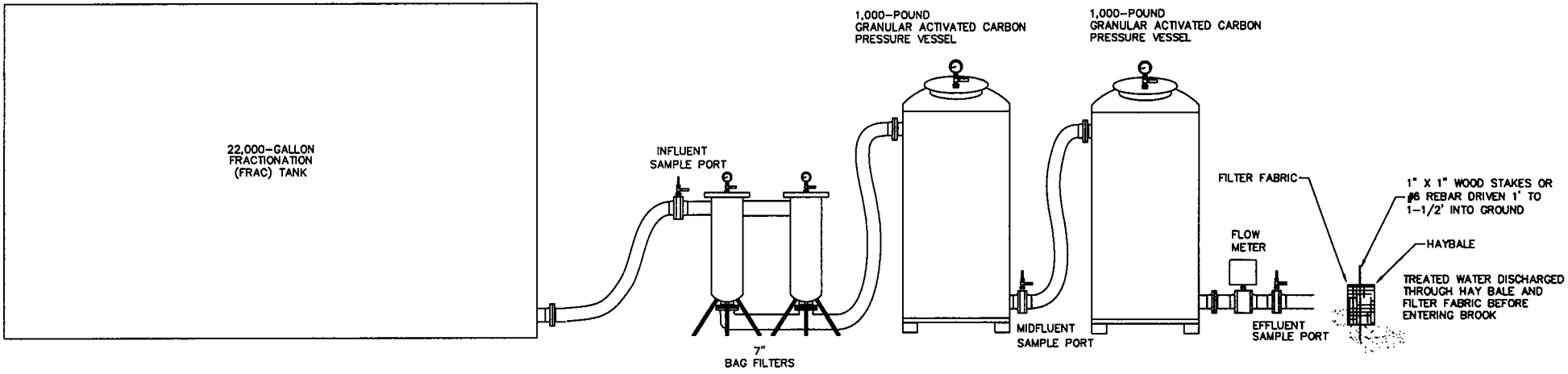
(IN FEET)
1 inch = 50 feet

Wilcox & Barton INC.
ENVIRONMENTAL AND ENGINEERING SERVICES

TITLE

SITE PLAN

DATE	SCALE	FILE
March 16, 2007	1"=50'	Site Plan
APPROVED BY: WRW	DRAWN BY: PJP	REVISED:
CLIENT: Sherman V. Allen, Inc.		JOB NUMBER: SVAI0001
LOCATION: Mac's Market, 1035 Route 12, Westmoreland, New Hampshire		DRAWING NUMBER: *FIGURE 2*



Wilcox & Barton INC.
ENVIRONMENTAL AND ENGINEERING SERVICES

TITLE

PROCESS AND INSTRUMENTATION DIAGRAM

DATE: June 11, 2007	SCALE: Not To Scale	FILE: P & I Diagram
APPROVED BY: RWB	DRAWN BY: PJP	REVISED:
CLIENT: Sherman V. Allen, Inc.		JOB NUMBER: SVAI0001
LOCATION: Mac's Market 1035 Route 12 Westmoreland, New Hampshire		DRAWING NUMBER: *FIGURE 3*

TABLE 1
Preliminary Groundwater Sample - Summary of Laboratory Results
Mac's Market
1035 Route 12, E. Westmoreland, New Hampshire

Sample Identification / Sample Date	TP-1 3/23/07	Water Quality Criteria for Toxic Substances Table Env-Ws 1703.1†		RGP Effluent Limit (Appendix III)
Semi-Volatile Organic Compounds by EPA Method 8270		**Freshwater Acute Criterion**	**Freshwater Chronic Criterion**	
Acenaphthene	<0.30	1,700	520	total group II PAHs
Acenaphthylene	<0.30	NS	NS	total group II PAHs
Anthracene	<0.20	300 [b]	NS	total group II PAHs
Benzo(g,h,i)perylene	<0.500	300 [b]	NS	total group II PAHs
Fluoranthene	<0.50	NS	NS	total group II PAHs
Fluorene	<1.00	300 [b]	NS	total group II PAHs
Naphthalene	<1.00	2,300	620	20
Phenanthrene	<0.05	300 [b]	NS	total group II PAHs
Pyrene	<1.00	300 [b]	NS	total group II PAHs
Total Group II PAHs				100
Benzo(a)anthracene	<0.050	300 [b]	NS	0.0038
Benzo(a)pyrene	<0.100	300 [b]	NS	0.0038
Benzo(b)fluoranthene	<0.050	300 [b]	NS	0.0038
Benzo(k)fluoranthene	<0.200	300 [b]	NS	0.0038
Chrysene	<0.20	300 [b]	NS	0.0038
Dibenz(a,h)anthracene	<0.500 J	300 [b]	NS	0.0038
Indeno(1,2,3-cd)pyrene	<0.500	300 [b]	NS	0.0038
Total Group I PAHs				10
Bis(2-ethylhexyl)phthalate	--	940	3	6.0
Total phthalates				3.0
Pentachlorophenol	--	5.3	4.1	1.0
Total Phenols		10,200	2,560	300
Total Petroleum Hydrocarbons (TPH) by EPA Method 8015 Modified				
TPH (as Gasoline)	***<10.0***	NS	NS	5.0
TPH (as #2 Fuel Oil/Diesel Fuel)	***<250,000***	NS	NS	5.0
Priority Pollutant Metals (PP-13) (dissolved) by EPA Method SW846				
Antimony	<2.0	9,000	1,600	5.6
Arsenic	<0.5	340	150	10
Cadmium	**1.0**	0.95 [c,d]	0.8 [c,d]	0.8
Chromium III	--	183 [c,d,e]	24 [c,d,e]	27.7
Chromium VI	--	16 [d,e,f]	11 [d,e,f]	11.4
Chromium (total)	<4.0	16 [d,e,f]	11 [d,e,f]	NS
Copper	<0.5	3.6 [c,d]	2.7 [c,d]	2.9
Lead	***<3.0***	14 [c,d]	0.54 [c,d]	0.5
Mercury	<0.04	1.4 [d,e]	0.77 [d,e]	0.9
Nickel	<3.0	144.9 [c,d]	16.1 [c,d]	16.1
Selenium	***<50***	NS	5.0	5.0
Silver	***<5.0***	0.32 [c,e]	NS	0.4
Zinc	18	36.2 [c,d]	36.5 [c,d]	37
Iron	--	NS	1,000	1,000
pH by EPA Method 150.1	**5.48** [a]	6.5 - 8.0		NS
Polychlorinated Biphynals by EPA Method 8082				
Total PCBs		2.0	0.014	0.000064

TABLE 1
Preliminary Groundwater Sample - Summary of Laboratory Results
Mac's Market
1035 Route 12, E. Westmoreland, New Hampshire

Sample Identification Sample Date	TP-1 3/23/07	Water Quality Criteria for Toxic Substances Table Env-Ws 1703.1†		RGP Effluent Limit (Appendix III)
Volatile Organic Compounds (VOCs) by EPA Method 8260B				
Acetone	<50.0	NS	NS	monitor only
tertiary-Amyl methyl ether (TAME)	<0.5 J	NS	NS	monitor only
Benzene	<1.0	5,300	NS	5.0
tertiary-Butyl alcohol (TBA)	<25.0 J	NS	NS	monitor only
Carbon tetrachloride	<1.0	35,200	NS	4.4
Chloroethane	<2.0	NS	NS	2.0
1,2-Dibromoethane (EDB)	<0.50	NS	NS	0.050
1,2-Dichlorobenzene	<1.0	1120	763	600
1,3-Dichlorobenzene	<1.0	1120	763	320
1,4-Dichlorobenzene	<1.0	1120	763	5.0
Total Dichlorobenzene	<3.0	1120	763	763
1,1-Dichloroethane	<1.0	NS	NS	70
1,2-Dichloroethane	<1.0	118,000	20,000	5.0
1,1-Dichloroethylene	<1.0	11,600	224,000	3.2
cis-1,2-Dichloroethylene	<1.0	11,600	224,000	70
1,4-Dioxane	<50.0	NS	NS	monitor only
Ethylbenzene	<1.0	32,000	NS	limited as Total BTEX
Methyl tertiary-butyl ether (MTBE)	<1.0	NS	NS	70.0
Methylene chloride	***<5.0***	11,000	NS	4.6
4-Methyl-2-pentanone(MIBK)	10	NS	NS	NS
Naphthalene	<2.0	2,300	620	20
n-Propylbenzene	<1.0	NS	NS	260
Styrene	<1.0	NS	NS	100
1,1,1,2-Tetrachloroethane	<1.0	NS	2400	70
1,1,2,2-Tetrachloroethane	<0.5	9320	NS	0.17
Tetrachloroethene	<1.0	5,280	840.0	5.0
Tetrahydrofuran (THF)	<10.0	NS	NS	154
Toluene	<1.0	NS	NS	limited as Total BTEX
1,2,3-Trichlorobenzene	<5.0	250	50	NS
1,2,4-Trichlorobenzene	<1.0	250	50	70
1,1,1-Trichloroethane	<1.0	NS	NS	200
1,1,2-Trichloroethane	<1.0	NS	NS	5.0
Trichloroethene	<1.0	45,000	21,900	5.0
Trichlorofluoromethane	<2.0	11,000	NS	2,000.0
1,2,3-Trichloropropane	<2.0	NS	NS	40.0
1,2,4-Trimethylbenzene	<1.0	NS	NS	330.0
1,3,5-Trimethylbenzene	<1.0	NS	NS	330.0
Total Xylenes	<3.0	NS	NS	limited as Total BTEX
Total BTEX	ND	NS	NS	100
Other Parameters				
Total Suspended Solids	--	NS	NS	30000
Total Residual Chlorine (TRC)	--	19	11	11
Cyanide	--	22	52	5.2

All results are in micrograms per liter (ug/L) unless otherwise noted.
All detected and other selected constituents presented.

--	Not analyzed.
a.	Sample past holding time, per EPA CWA.
b.	Marine (saltwater) criterion; no freshwater criterion established.
c.	Criterion is hardness-dependent. Value presented corresponds to a calcium carbonate hardness of 25 mg/L.
d.	Criterion at a water effect ratio of 1.0.
e.	Criterion for dissolved metal.
f.	Criterion for hexavalent chromium.
<XX	Not detected above the listed laboratory reporting limit.
ND	Not detected.
J	Estimated concentration due to quality control limitations.
†	Water Quality Criteria (WQC) for Toxic Substances are from Table 1703-1 of Env-Ws 1700.
BOLD	Detected concentration exceeds Appendix III limit
Bold italics	Reporting Limit for non-detected results exceeds Appendix III limit
NS	No standard available.

Wilcox & Barton INC.

ENVIRONMENTAL AND ENGINEERING SERVICES

MAY 10 2007

Conditions required for NEPA & Section 106 of the NHPA have been met.
✓ No Known Historic Resources
____ No Resources Present
____ No Adverse Effect
If plans change or resources are discovered in the course of this project, you must contact the Division of Historical Resources as required by federal law and regulation. 6/8/2007
Linda Ray Mon DSHPO
NH State Historic Preservation Officer

May 8, 2007

New Hampshire Division of Historical Resources
19 Pillsbury Street
Concord, New Hampshire 03301-3570

RE: Request for an Evaluation of Potential Historic Significance
Mac's Market
1035 Route 12, East Westmoreland, New Hampshire
Tax Map U2 Lot 4

To Whom It May Concern:

Wilcox & Barton, Inc. is in the process of preparing a Notice of Intent (NOI) for a National Pollutant Discharge Elimination System (NPDES) general permit for construction dewatering at the above referenced site. The site location and area topography are provided on Figure 1. The project involves the replacement of three underground storage tanks (USTs) and associated piping at the locations shown on Figure 2. The new USTs will be installed in the same location as the existing USTs. Dewatering will occur from the tank excavation over an approximate 2 to 3 day period. The discharge from the dewatering will be clarified in a storage tank(s), filtered, and discharged to Old Mill Brook in accordance with the conditions stipulated in New Hampshire General Permit, Permit No. NHG070000. The NOI will be submitted to the Regional Administrator, U.S. Environmental Protection Agency, New England Region and to the New Hampshire Department of Environmental Service Water Division for review and approval. This letter and any response provided by your department will be submitted as part of the NOI package.

We very much appreciate your attention to this matter. If you have any questions or concerns regarding this project, please do not hesitate to contact the undersigned at (413) 323-0521. Please feel free to respond by facsimile (413) 323-9148 or email, ktaylor@wilcoxandbarton.com.

Very truly yours,

WILCOX & BARTON, INC.

Kelly L. Taylor, P.E.
Senior Engineer

Post-it® Fax Note 7671	Date 6/8/07	# of pages ▶ 1
To Russ Barton	From C. St. Louis	
Co./Dept. Wilcox + Barton	Co. NH DHR	
Phone # 715-1643	Phone # 271-3483	
Fax # 715-1647	Fax #	

Attached Figure 1 – Site Location Map
Figure 2 – Site Plan

VT CORPORATE
1115 RT 100B, Suite 200
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Moretown, VT 05660
Ph: (802) 496-4747
Fax: (802) 296-4748

NH CORPORATE
57 Holt Road
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From: Anthony_Tur@fws.gov
To: "Kelly Taylor" <KTaylor@wilcoxandbarton.com>
Cc: pplagge@wilcoxandbarton.com, rbarton@wilcoxandbarton.com, Jeannine_Dube@fws.gov
Date: 05/10/2007 10:32 AM
Subject: Re: Macs Market, E Westmoreland, endangered species identification request

Kelly,

No Federal T&E species are known to occur in the project area. No further correspondence is required.

In the future, please send your request via the USPS. Due to constraints of my email system, messages with pdfs or other large files can be lost. Also, some field exercises can mean that I am unable to reply in a timely fashion.

Thank You for Coordinating.

Tony

Anthony Tur
Endangered Species Biologist
U.S. Fish and Wildlife Service
New England Field Office
70 Commercial Street, Suite 300
Concord, New Hampshire 03301

Phone (603) 223-2541 x.24
Anthony_Tur@fws.gov

"Kelly Taylor" <KTaylor@wilcoxandbarton.com>

05/10/2007 08:43 AM

To Anthony_Tur@fws.gov

cc rbarton@wilcoxandbarton.com, pplagge@wilcoxandbarton.com

Subject Macs Market, E Westmoreland, endangered species identification request

Anthony,

Wilcox & Barton, Inc. is in the process of preparing a Notice of Intent (NOI) for a National Pollutant Discharge Elimination System (NPDES) general permit for construction dewatering at the above referenced site. The site location and area topography are provided on Figure 1. The project involves the replacement of three underground storage tanks (USTs) and associated piping at the locations shown on Figure 2. The new USTs will be installed in the same location as the existing USTs. Dewatering will occur from the tank excavation over an approximate 2 to 3 day period. The discharge from the dewatering will be clarified in a storage tank(s), filtered, and discharged to Old Mill Brook in accordance with the conditions stipulated in New Hampshire General Permit, Permit No. NHG070000. The NOI will be submitted to the Regional Administrator, U.S. Environmental Protection Agency, New England Region and to the New Hampshire Department of Environmental Service Water Division for review and approval. This

email is a request for identification of any endangered species that could be impacted by this activity. A copy of the request and any response provided by your department will be submitted as part of the NOI package.

We very much appreciate your attention to this matter. If you have any questions or concerns regarding this project, please do not hesitate to contact the undersigned at (413) 323-0521. Please feel free to respond by facsimile (413) 323-9148 or email.

Thank you, Kelly

Kelly Taylor, P.E.
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Off (413) 323-0521
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[attachment "Fig_1_Macs_Market.pdf" deleted by Anthony Tur/R5/FWS/DOI] [attachment "Figure 2 Site Plan.pdf" deleted by Anthony Tur/R5/FWS/DOI]