

**Corey
Management
Company, Inc.**

MA 910159
D.C.

November 4, 2005

US Environmental Protection Agency
RGP-NOC Processing
Municipal Assistance Unit
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Re: RGP NOI
280 Great Meadows Road, Concord, MA
NPDES Exclusion # [REDACTED]

NOV - 9

Dear Sir/Madam:

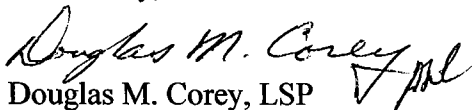
Enclosed is the Notice of Intent for the subject site to obtain coverage under the Remediation General Permit (RGP). It has been covered under NPDES Exclusion letter #MA-04I-019.

As noted in the NOI, this heating oil release at a residential property is subject to the sub-category "Fuel Oils (and Other Oils) only". The NOI contains the certification that the following chemicals which must normally be monitored monthly are "believed absent", based on the site history and influent analysis:

Acetone
Nickel
Chromium III
Chromium VI
Zinc.

Monitoring will be performed in accordance with Part I, Section C. of the RGP.

Yours truly,


Douglas M. Corey, LSP

Encl.

Cc: MA DEP, BWSC
Town of Concord, Div. Of Natural Resources

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: Residential Heating Oil Release		Facility/site address:	
Location of facility/site: longitude: 71°20'33" latitude: 42°28'15"	Facility SIC code(s): Residence - N/A	Street: 280 Great Meadows Road	
b) Name of facility/site owner: Guido Goldman		Town: Concord	
Email address of owner: schwartz@fsscpc.com	State: MA	Zip: 01742	County: Middlesex
Telephone no. of facility/site owner: 617-641-0040			
Fax no. of facility/site owner: 617-641-0090		Owner is (check one): 1. Federal____ 2. State/Tribal____	
Address of owner (if different from site): 263 Great Meadows Road		3. Private ☒ 4. other, if so, describe:	
Street: c/o Friedman, Suvalle & Salomon, PC, 70 Wells Avenue (Steven B. Schwartz)			
Town: Newton	State: MA	Zip: 02459	County: Middlesex
c) Legal name of operator: Corey Management Company, Inc.		Operator telephone no: 781-275-2970	
		Operator fax no.: 781-275-3557	Operator email: CMC OfficeUse@aol.com
Operator contact name and title: Douglas M. Corey, LSP			
Address of operator (if different from owner):		Street: P.O. Box 276	
Town: Bedford	State: MA	Zip: 01730	County: Middlesex
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:		MA-04I-019	
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 <u>X</u> No <u> </u> If "yes," please list: 1. site identification # assigned by the state of NH or MA: MA RTN <u>3-23651</u> 2. permit or license # assigned: DEP Wetlands # <u>137-792</u> 3. state agency contact information: name, location, and telephone number: MA DEP NERO BWSC 617-654-6500	f) Is the site/facility covered by any other EPA permit, including: 1. multi-sector storm water general permit? Y <u> </u> N <u>X</u>, if Y, number: <u> </u> 2. phase I or II construction storm water general permit? Y <u> </u> N <u>X</u>, if Y, number: <u> </u> 3. individual NPDES permit? Y <u> </u> N <u>X</u>, if Y, number: <u> </u> 4. any other water quality related permit? Y <u>X</u> N <u> </u>, if Y, number: <u> </u> NPDES Exclusion #MA-04I-019
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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: Treatment of Oil-Contaminated Groundwater			
b) Provide the following information about each discharge:	<table border="1"> <tr> <td style="vertical-align: top;"> 1) Number of discharge points: <u>1</u> </td> <td style="vertical-align: top;"> 2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft³/s)? Max. flow <u>0.0067</u> Average flow <u>0.0022</u> Is maximum flow a design value? Y <u>X</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. Average flow = 1 gpm, = 5,450 L/day, = 0.0022 cf/sec (est.) </td> </tr> </table>	1) Number of discharge points: <u>1</u>	2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft³/s)? Max. flow <u>0.0067</u> Average flow <u>0.0022</u> Is maximum flow a design value? Y <u>X</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. Average flow = 1 gpm, = 5,450 L/day, = 0.0022 cf/sec (est.)
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3) Latitude and longitude of each discharge within 100 feet: pt.1: long. <u>N/A</u> lat. <u> </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): <u>N/A</u>	5) Is the discharge intermittent <u> </u> or seasonal <u>X</u> ? Is discharge ongoing Yes <u>X</u> No <u> </u> ?		
c) Expected dates of discharge (mm/dd/yy): start <u>04/12/04</u> end <u>Ongoing</u>			
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 21 E"); 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 XX	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
Fuel Oils (and XX 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		X	1	grab	160.2	5.0 mg/L			25,000.	0.14
2. Total Residual Chlorine	X				SM18 4500CLF	0.05 mg/L			ND	-
3. Total Petroleum Hydrocarbons		X			1664A	2.7 mg/L			5,800.	0.032
4. Cyanide	X				9014	0.01 mg/L			ND	-
5. Benzene		X			8260B	1.0 ug/L			0.86 (J)	5x10 ⁻⁶
6. Toluene		X				1.0 ug/L			1.3	7x10 ⁻⁶
7. Ethylbenzene		X				1.0 ug/L			5.8	3x10 ⁻⁵
8. (m,p,o) Xylenes		X				1.0 ug/L			26.8	15x10 ⁻⁵
9. Total BTEX ⁴		X				1.0 ug/L			34.8	19x10 ⁻⁵

⁴BTEX = 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 ⁵ (1,2- Dibromo-methane)	X		1	grab	8011	0.019 ug/L			ND	-
11. Methyl-tert-Butyl Ether (MtBE)	X				8260B	1.0 ug/L			ND	-
12. tert-Butyl Alcohol (TBA)	X					50 ug/L			ND	-
13. tert-Amyl Methyl Ether (TAME)	X					5.0 ug/L			ND	-
14. Naphthalene		X				5.0 ug/L			19	10x10 ⁻⁵
15. Carbon Tetrachloride	X					1.0 ug/L			ND	-
16. 1,4 Dichlorobenzene	X					1.0 ug/L			ND	-
17. 1,2 Dichlorobenzene	X					1.0 ug/L			ND	-
18. 1,3 Dichlorobenzene	X					1.0 ug/L			ND	-
19. 1,1 Dichloroethane	X					1.0 ug/L			ND	-
20. 1,2 Dichloroethane	X					1.0 ug/L			ND	-
21. 1,1 Dichloroethylene	X					1.0 ug/L			ND	-
22. cis-1,2 Dichloroethylene	X					1.0 ug/L			ND	-
23. Dichloromethane (Methylene Chloride)	X					2.0 ug/L			ND	-
24. Tetrachloroethylene	X					1.0 ug/L			ND	-

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

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	X		1	grab	8260B	1.0 ug/L			ND	-
26. 1,1,2 Trichloroethane	X					1.0 ug/L			ND	-
27. Trichloroethylene	X					1.0 ug/L			ND	-
28. Vinyl Chloride	X					1.0 ug/L			ND	-
29. Acetone	X					50. ug/L			ND	-
30. 1,4 Dioxane	X					50. ug/L			ND	-
31. Total Phenols	X				8270C	10. ug/L			ND	-
32. Pentachlorophenol	X					50. ug/L			ND	-
33. Total Phthalates ⁶ (Phthalate esthers)	X					10. ug/L			ND	-
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	X					10. ug/L			ND	-
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	X					5.0 ug/L			ND	-
a. Benzo(a) Anthracene	X					5.0 ug/L			ND	-
b. Benzo(a) Pyrene	X					5.0 ug/L			ND	-
c. Benzo(b)Fluoranthene	X					5.0 ug/L			ND	-
d. Benzo(k) Fluoranthene	X					5.0 ug/L			ND	-
e. Chrysene	X					5.0 ug/L			ND	-

⁶The 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	X		1	grab	8270C	5.0 ug/L			ND	-
g. Indeno(1,2,3-cd) Pyrene	X					5.0 ug/L			ND	-
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	X					5.0 ug/L			ND	-
h. Acenaphthene	X					5.0 ug/L			ND	-
i. Acenaphthylene	X					5.0 ug/L			ND	-
j. Anthracene	X					5.0 ug/L			ND	-
k. Benzo(ghi) Perylene	X					5.0 ug/L			ND	-
l. Fluoranthene	X					5.0 ug/L			ND	-
m. Fluorene	X					5.0 ug/L			ND	-
n. Naphthalene-		X				5.0 ug/L			ND	-
o. Phenanthrene	X					5.0 ug/L			ND	-
p. Pyrene	X					5.0 ug/L			ND	-
37. Total Polychlorinated Biphenyls (PCBs)	X				EPA 608	1.0 ug/l			ND	-
38. Antimony	X				6010B	6.0 ug/L			ND	-
39. Arsenic	X					10. ug/L			ND	-
40. Cadmium	X					1.0 ug/L			ND	-
41. Chromium III	X					5.0 ug/L			ND	-
42. Chromium VI	X				7196A	5.0 ug/L			ND	-

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	X		1	grab	6010B	10. ug/L			ND	-
44. Lead	X					5.0 ug/L			ND	-
45. Mercury	X				7470A	0.20 ug/L			ND	-
46. Nickel	X				6010B	10. ug/L			ND	-
47. Selenium	X					10. ug/L			ND	-
48. Silver	X					5.0 ug/L			ND	-
49. Zinc	X					50. ug/L			ND	-
50. Iron		X				50. ug/L	12,000.	0.065		
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 <u>X</u> N <u> </u>	If yes, which metals? <u>Iron (naturally occurring)</u>
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: <u>Iron</u> DF: <u>>100</u>	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 <u>X</u> N <u> </u> If "Yes," list which metals: <u>Iron (naturally occurring)</u>

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 XX	GAC filterXX
	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 <u>1</u> Maximum flow rate of treatment system <u>3</u> Design flow rate of treatment system <u>3</u>						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets): <u>none</u>						

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

a) Identify the discharge pathway:	Direct <u>X</u>	Within facility__	Storm drain__	River/brook <u>X</u>	Wetlands__	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: <u>Direct discharge to Concord River impoundment immediately upstream from Concord WWTP.</u>						
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 US GS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.						
d) Provide the state water quality classification of the receiving water <u>Class B (Concord River)</u>						
e) Provide the reported or calculated seven day ten year low flow (7Q10) of the receiving water <u>> 59.0</u> 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 <u>X</u> If yes, for which pollutant(s)? Is there a TMDL? Yes__ No <u>X</u> If yes, for which pollutant(s)?						

6. Results of Consultation with Federal Services: Please provide the following information according to requirements of Part I. B4 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? No ☐ see attached
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: Residential Heating Oil Release - 280 Great Meadows Road

Operator signature:

Douglas M. Corey

Title:

Douglas M. Corey
Corey Management Co., Inc.
Licensed Site Professional (LSP)

Date:

11/04/2005

Massachusetts Remediation General Permit No. MAG910000

**Residential Heating Oil Release
280 Great Meadows Road, Concord, MA 01742
NPDES Exclusion #MA-04I-019**

2. Discharge Information

Discharge activities include a single discharge point from a groundwater treatment system designed to collect free floating heating oil and to treat dissolved heating oil constituents in groundwater. The system has been operating seasonally since a NPDES Exclusion was issued on March 31, 2004 and is ongoing at this time. The maximum and design flow rate is 3 gpm, and the average flow rate is estimated at 1 gpm.

The only source of intake water is groundwater from the vicinity of the heating oil release, where a feed and/or return line to and from a UST outside the home failed where they penetrated the foundation. The discharge point is an impoundment on the Concord River immediately upstream from the Town of Concord Wastewater Treatment Plant.

A Schematic Flow Diagram of the system is attached.

3. Contaminant Information

Based on the analysis of the influent sample, "Fuel Oil (and Other Oils) only" is the applicable sub-category for this discharge. As specified in Section C.8. of Part I of the RGP, the following chemicals that are normally monitored in this sub-category are certified to be "believed absent":

Acetone
Nickel
Chromium III
Chromium VI
Zinc.

"Naturally occurring" Iron is present in the untreated influent at a concentration (12 mg/L) greater than the corresponding Dilution Range Limit of 5 mg/L in Appendix IV.

4. Treatment System Information

A Schematic Flow Diagram of the facility is attached. Groundwater pumped from the recovery well outside the home foundation is fed through a bag filter to remove Suspended and Settleable Solids and Iron. The groundwater is then fed to a series of liquid phase activated carbon canisters to remove dissolved heating oil constituents. Treated groundwater is discharged through a flowmeter to the receiving waters.

Non-Aqueous Phase Liquid (NAPL) accumulates on the surface in the recovery well due to the cone of influence created by the groundwater pump. It is skimmed off with a separate pump and collected in a product recovery drum.

5. Receiving Surface Water(s)

Treated groundwater discharges through a hose to an impoundment pond on the west side of the residence, from which it discharges to the Concord River. The following figures are attached to identify the site and the outfall:

- Site Locus, based on U.S. Geological Survey topographical map;
- Site Plan, based on town of Concord Assessors Map; and
- Site Detail.

The state water quality classification for the Concord River is Class B. The reported seven day-ten year low flow (7Q10) of the Concord River at this location is greater than 59.0 cfs, based on the following totals from gaging stations at three (3) upstream tributaries:

Sudbury River at Nashawtuc St., Concord	- 24.7 cfs
Assabet River at Main St., Concord	- 33.4 cfs
Fort Pond Brook at West Concord	- <u>0.89</u> cfs
	59.0 cfs

Other tributaries between these gaging stations and the site will increase the actual 7Q10 flow rate at the discharge point, so this total provides a conservative basis for calculating the Dilution Factor (DF).

$$Df = (Qd + Qs)/Qd = (0.0067 + 59.0)/0.0067 = 8,800 \text{ or } >100$$

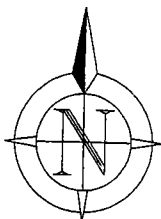
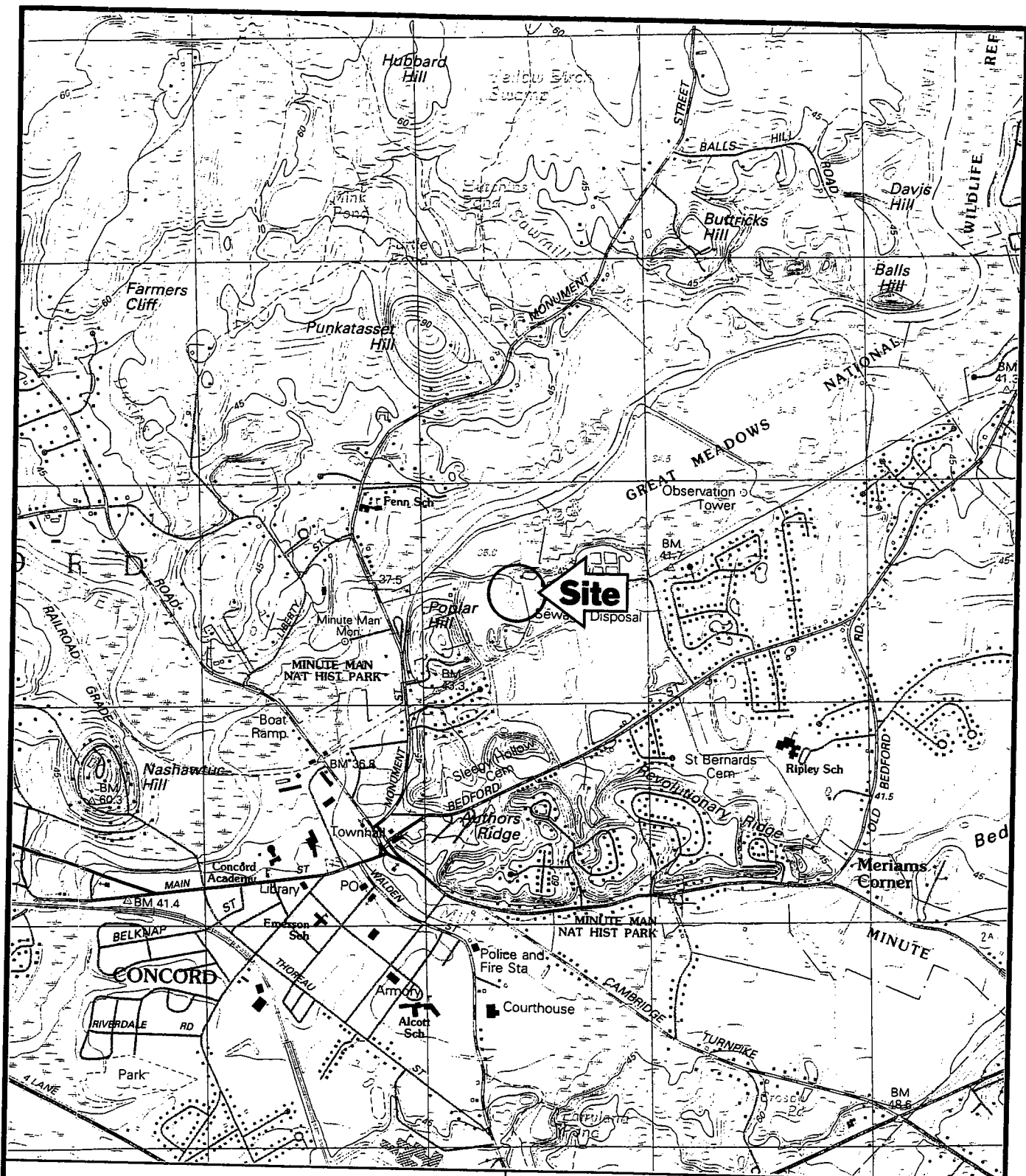
6. Consultation with Federal Services

Consultations have been held with respective State agencies. A DEP BWSC Priority Resources Map identifying potentially sensitive environmental receptors is attached. A formal certification from the Massachusetts Division of Fisheries & Wildlife is also attached, with written concurrence that the project will not adversely affect the actual habitat of state-protected rare wildlife species.



Division of Fisheries & Wildlife

Field Headquarters, One Rabbit Hill Road, Westborough, MA 01581 (508) 792-7270 Fax (508) 792-
An Agency of the Department of Fisheries, Wildlife & Environmental Law Enforcement



REF: U.S. Geological Survey,
Sudbury Quadrangle

COREY MANAGEMENT CO., INC.
P.O. Box 276, Bedford, MA.

FIGURE 1 SITE LOCUS

280 Great Meadows Road
Concord, MA

Date: MAR 2004

Scale: 1:25,000

MA DEP - Bureau of Waste Site Cleanup

Site Scoring Map: 500 feet & 0.5 Mile Radii

SITE NAME:

Figure 2

280 Great Meadows Road

Concord, MA

4704515n 307420ew



Site Location

The information shown on this map is the best available at the date of printing. Please refer to the data source descriptions document.



Massachusetts
Geographic
Information
System



Massachusetts Executive Office of Environmental Affairs - 2004



Roads: Limited Access, Divided, Major Road, Connector, Street, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, Sub; Streams: Perennial, Intermittent, Man Made Shore, Dams

Potentially Productive Aquifers: Medium, High Yield

Non-Potential Drinking Water Source Area: Medium, High Yield

EPA Sole Source Aquifer; FEMA 100-year floodplain

Public Water Supplies: Ground, Surface, Non Community

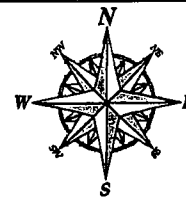
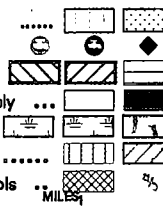
Approved Zone2; NWPA; Surface Water Supply Zone A

Hydrography: Water Features, Public Surface Water Supply

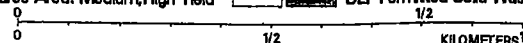
Wetlands: Fresh, Salt, NHESP Wetlands Habitat

Protected Open Space; ACEC

DEP Permitted Solid Waste Facilities; Certified Vernal Pools



SCALE 1:15000



March 23, 2004

NRS SCORING MAP DATA SOURCES

AQUIFERS: USGS-WRD/MassGIS, 1:48,000.

Automated by MassGIS from the USGS Water Resources Div. Hydrologic Atlas series manuscripts. The definitions of high and medium yield vary among basins. Source dates 1977-1988.

SOLE SOURCE AQUIFERS: US EPA/MA

DEP/MassGIS, various scales. They are defined by EPA as aquifers that are the 'sole or principal source' of drinking water for a given aquifer service area. Last updated May 1996.

NON POTENTIAL DRINKING WATER SOURCE

AREAS: DEP-BWSC (Bureau of Waste Site Cleanup).

Those portions of high and medium yield aquifers, which may not be considered as areas of groundwater conducive to the locations of public water supplies. Please refer to the MCP guidelines for the definitions of these areas.

DEP APPROVED ZONE II's: MA DEP, 1:25,000. As stated in 310 CMR 22.02 'that area of an aquifer which contributes water to a well under the most severe pumping and recharge conditions that can be realistically anticipated.' Digitized from data provided to DEP in approved hydrologic engineering reports. Data is updated continuously.

INTERIM WELLHEAD PROTECTION AREAS: DEP-

DWS (Division of Water Supply), 1:25,000. These polygons represent an interim Zone II for a groundwater source until an actual one is approved by the DEP Division of Water Supply. The radius of an IWPA varies according to the approved pumping rate. Updated in parallel with the Public Water Supplies data.

PUBLIC WATER SUPPLIES: DEP-DWS, 1:25,000.

Community and non-community surface and withdrawal points were field collected using Global Positioning System receivers. The attributes were added from the DEP Division of Water Supply database. Continuously updated.

HYDROGRAPHY: USGS/MassGIS, 1:25,000 USGS

Digital Line Graph (DLG) data modified by MassGIS. Approximately 40% of the data was provided by USGS and MassGIS created the remainder to USGS specifications. Source dates 1977-1997.

DRAINAGE BASINS: USGS-WRD/MassGIS, 1:24,000.

Automated by MassGIS from USGS Water Resources Division manuscripts with approximately 2400 sub-basins as interpreted from 1:24,000 USGS quadrangle contour lines. 1987-1993.

WETLANDS: UMass Amherst RMP/MassGIS, 1:25,000.

Includes nonforested wetlands extracted from the 1971-1991 Land Use datalayer, which was photointerpreted from summer CIR photography. Interpretation was not done in stereo. Also includes, in most areas, forested wetlands from USGS Digital Line Graph (DLG) data.

PROTECTED OPEN SPACE: EOE (Executive Office of Environmental Affairs) MassGIS, 1:25,000. Includes federal, state, county, municipal, non-profit and protected private conservation and outdoor recreation lands. Ongoing updates.

ACECs: DEM, 1:25,000. Areas of Critical Environmental Concern are areas designated by the Secretary of EOE as having a number of valuable environmental features coexisting. Projects in ACECs are subject to the highest standards of review and performance. Last updated October 1996.

ROADS: USGS/MassGIS/MHD, 1:100,000. MassGIS extracted roads from the USGS Transportation DLG files. MA Highway Dept. updated roads through 1999. MassGIS and MA DEP GIS group further edited this layer. Numbered routes are part of the state, U.S. or Interstate highway systems.

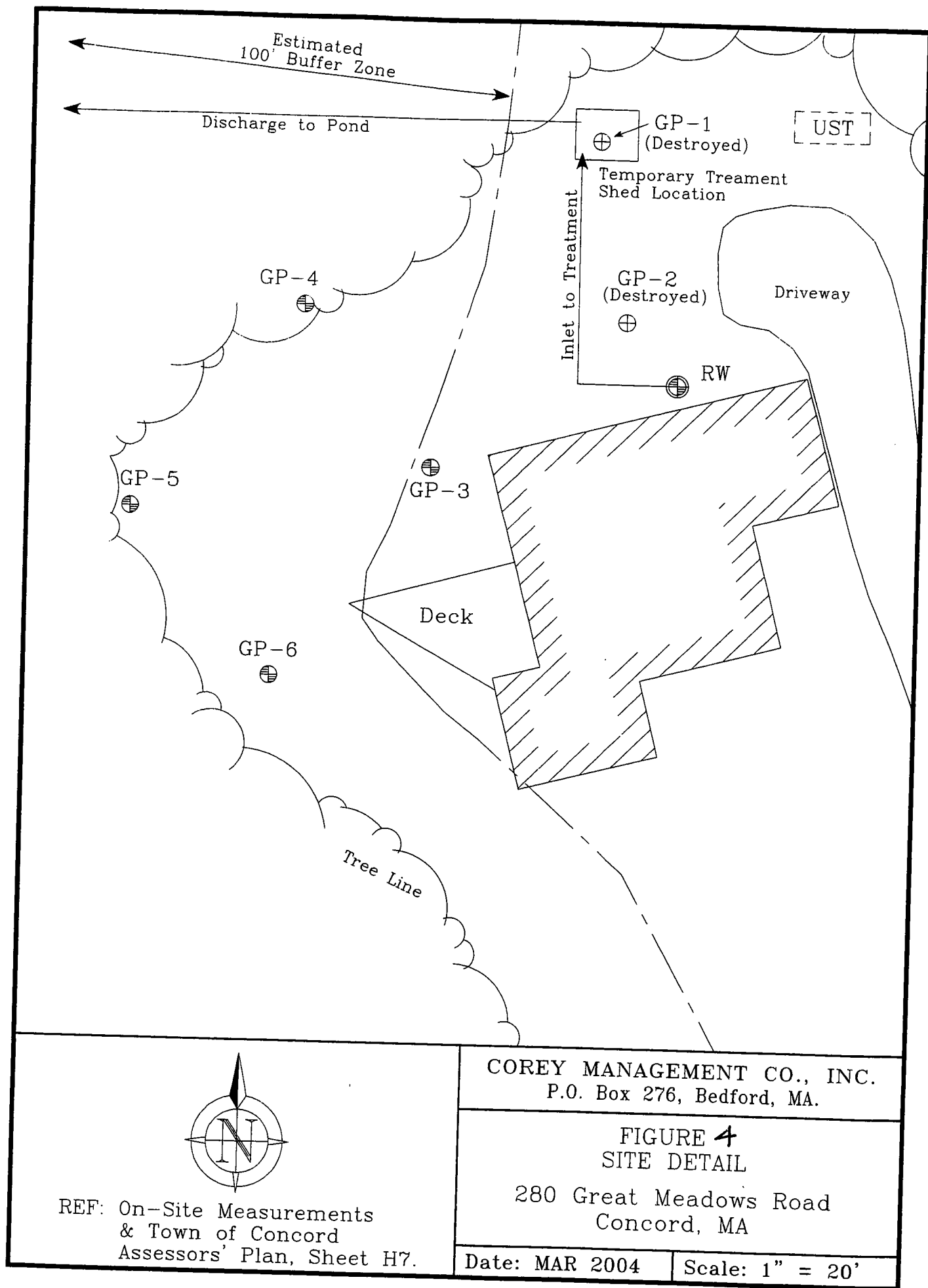
POLITICAL BOUNDARIES: MassGIS/USGS, 1:25,000. This datalayer was digitized by MassGIS from mylar USGS quads. Source date is approximately 1985.

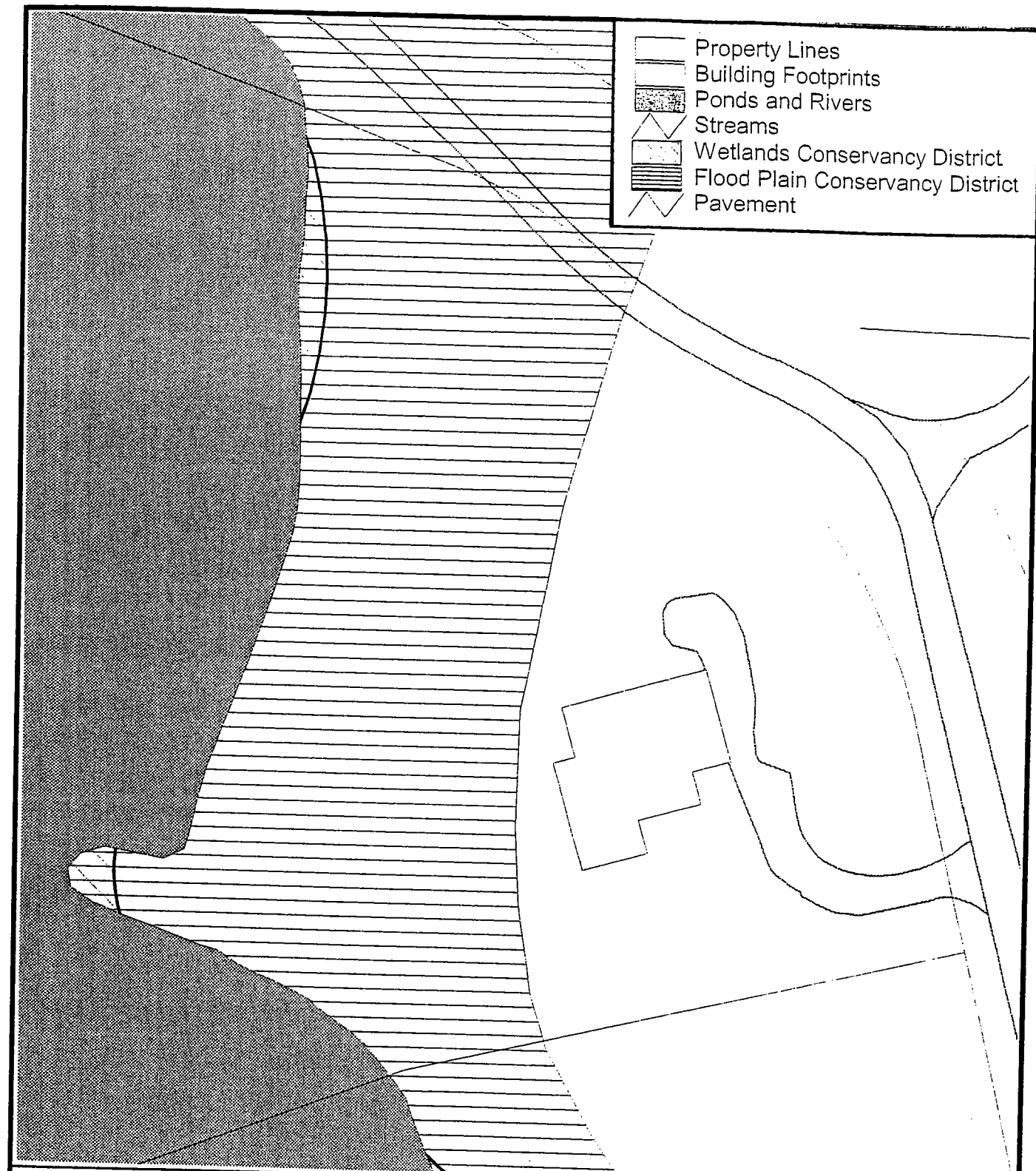
DEP PERMITTED SOLID WASTE FACILITIES: DEP-DSW (Division of Solid Wastes), 1:25,000. Includes only facilities regulated since 1971. Data includes sanitary landfills, transfer stations and recycling or composting facilities. Facility boundaries were compiled or approximate facility point locations drafted onto USGS quadrangles and automated by the DEP Division of Solid Waste. Last updated 1997.

NHESP ESTIMATED HABITATS OF RARE

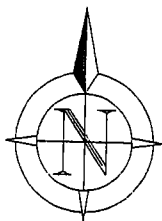
WETLANDS WILDLIFE: Polygons show estimated habitats for all processed occurrences of rare wetlands wildlife. Data collected by Natural Heritage & Endangered Species Program and compiled at 1:24,000 or 1:25,000 scale. For use with Wetlands Protection Act Only. Effective 1999 - 2001.

NHESP CERTIFIED VERNAL POOLS: Points show all vernal pools certified by NHESP/MADFW (Fisheries and Wildlife) as of June 30, 1999. Data compiled at 1:24,000 or 1:25,000 scale. Effective 1999 - 2001.





-  Property Lines
-  Building Footprints
-  Ponds and Rivers
-  Streams
-  Wetlands Conservancy District
-  Flood Plain Conservancy District
-  Pavement



REF: Town of Concord, Wetlands &
Flood Plain Conservancy District

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P.O. Box 276, Bedford, MA.

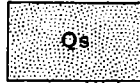
FIGURE 5
WETLANDS/FLOOD PLAIN
DELINEATION MAP
280 Great Meadows Road
Concord, MA

Date: MAR 2004

Scale: 1" = 50'

EXPLANATION

A layer of windblown sand and silt containing ventifacts, and generally mixed with underlying glacial deposits, is present over much of the area but has not been mapped



Swamp deposits
Muck, peat, silt, and sand



Alluvium
Silt to coarse sand; contains scattered pebbles

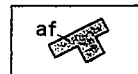


GLACIOLACUSTRINE-GLACIOFLUVIAL DEPOSITS

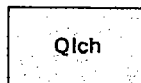
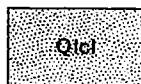
Sand, gravel, silt, and clay deposited in or graded to glacial Lakes Sudbury (Cherry Brook stage) and Concord



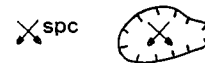
Bedrock exposures



Artificial fill



Glacial Lake Concord deposits
Qlcb, lake bottom deposits
Qlch, high stage deposits
Qlcl, low stage deposits

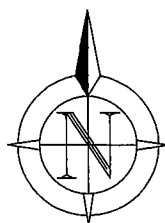


Sand, gravel, and till pits

Extent of large pits shown by hachures. Letter symbol indicates texture in order of decreasing abundance, s-sand, si-silt, p-pebble, c-cobble, b-boulder

e, esker or ice-channel filling
k, kame
kt, kame terrace
kd, kame delta

Letter symbols indicate locations of good examples of morphologic features



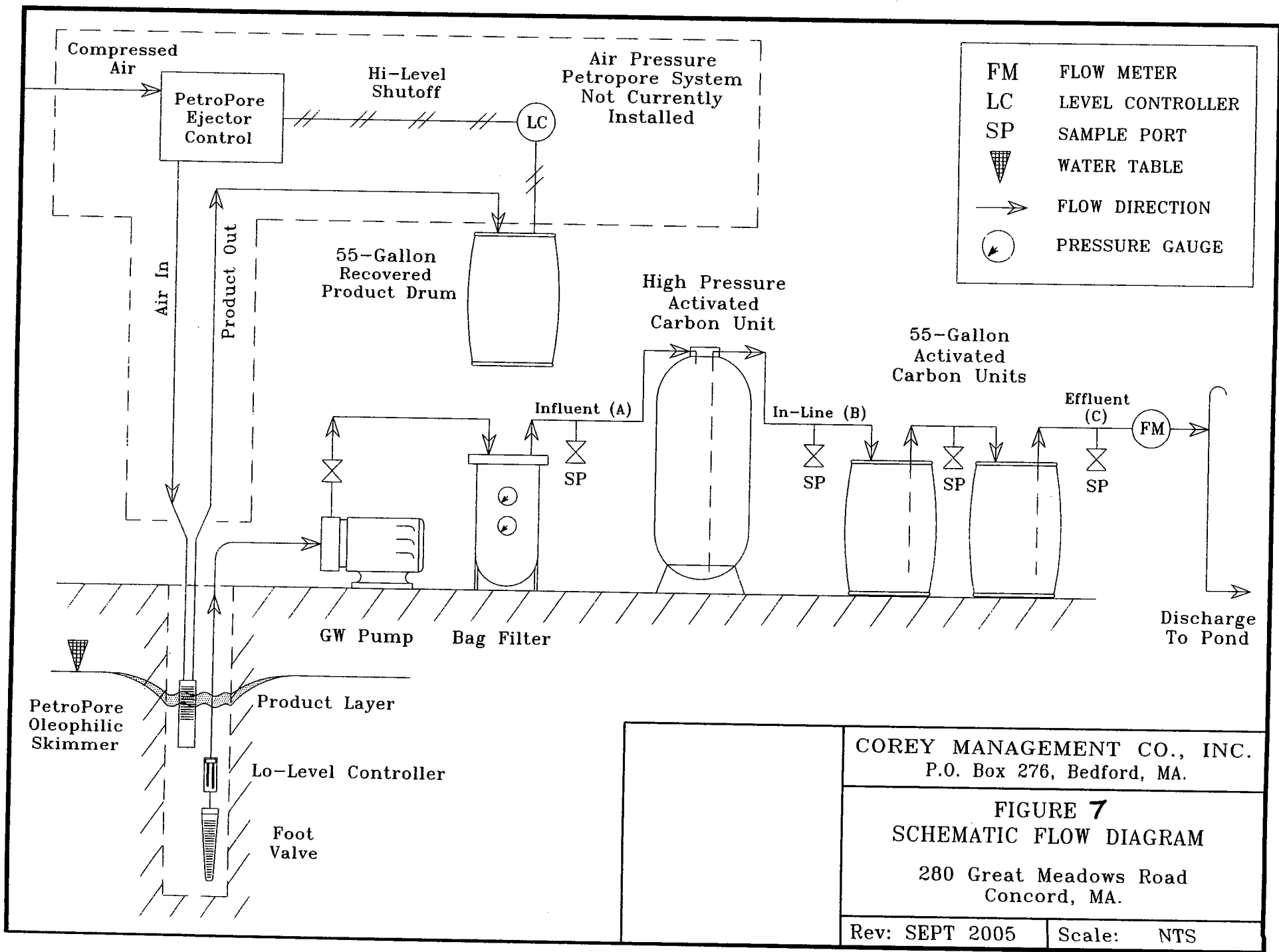
REF: USGS, Surficial Geology of the Concord Quadrangle, 1964

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P.O. Box 276, Bedford, MA.

FIGURE 6
SURFICIAL GEOLOGY MAP
280 Great Meadows Road
Concord, MA

Date: FEB 2005

Scale: 1:24,000



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FIGURE 7
SCHEMATIC FLOW DIAGRAM

280 Great Meadows Road
Concord, MA.

Rev: SEPT 2005

Scale: NTS

SUDBURY RIVER AT NASHAWTUC ST AT CONCORD, MASS.

General Information

USGS Station Number:	01098860
Station Type:	Low Flow, partial record
Period of Record:	
Latitude (d/m/s):	422735
Longitude (d/m/s):	712135
Location:	
Hydrologic Unit Code:	01070005
Basin Name:	Concord
Remarks:	None

Basin Characteristics

Drainage Area(sq.miles):	162.05
Stratified Drift Area(sq.miles):	87.63
Waterbody Area(sq.miles):	6.7
Wetland Area(sq.miles):	10.5
Total Stream Length(miles):	343.7
Mean Basin Slope(percent):	2.63
Minimum Elevation(ft):	112
Mean Elevation(ft):	372
Maximum Elevation(ft):	698

Streamflow Statistics

(All statistics in cubic feet per second)

Flood-Flow Frequencies

Citations	1
Mean Annual Flood:	
10 Year Flood:	
25 Year Flood:	
50 Year Flood:	
100 Year Flood:	

500 Year Flood:

Flow Durations

1%:

2%:

3%:

5%:

7%:

10%:

15%:

20%:

25%:

30%:

35%:

40%:

45%:

50%: 459

55%: 371

60%: 304

65%: 248

70%: 205

75%: 176

80%: 150

85%: 103

90%: 73.1

93%: 59.8

95%: 50.2

97%: 39.5

98%: 32.4

99%: 25.9

August Median Flow

August Median Flow: 111

Low-Flow Frequencies

7-day, 2-year low flow:	51.1
7-day, 10-year low flow:	24.7

¹ Ries, K.G., III, 1998, Streamflow measurements, basin characteristics, and streamflow statistics for low-flow partial record stations operated in Massachusetts from 1989 through 1996: USGS Water Resources Investigations Report 98-4006, 162 p.

U.S. Department of the Interior, U.S. Geological Survey
10 Bearfoot Road
Northborough, MA 01532
(508) 490-5000

Maintainer: webmaster@mass1.er.usgs.gov



ASSABET RIVER AT MAIN ST NEAR CONCORD, MA

General Information

USGS Station Number:	01097050
Station Type:	Low Flow, partial record
Period of Record:	1969
Latitude (d/m/s):	422723
Longitude (d/m/s):	712326
Location:	Main Street
Hydrologic Unit Code:	01070005
Basin Name:	Concord
Remarks:	None

Basin Characteristics

Drainage Area(sq.miles):	120.6
Stratified Drift Area(sq.miles):	50.03
Waterbody Area(sq.miles):	2.35
Wetland Area(sq.miles):	7.27
Total Stream Length(miles):	293.14
Mean Basin Slope(percent):	3.5
Minimum Elevation(ft):	127
Mean Elevation(ft):	345
Maximum Elevation(ft):	748

Streamflow Statistics

(All statistics in cubic feet per second)

Flood-Flow Frequencies

Citations	1
Mean Annual Flood:	
10 Year Flood:	
25 Year Flood:	
50 Year Flood:	
100 Year Flood:	

500 Year Flood:

Flow Durations

1%:

2%:

3%:

5%:

7%:

10%:

15%:

20%:

25%:

30%:

35%:

40%:

45%:

50%: 168

55%: 147

60%: 125

65%: 105

70%: 87.0

75%: 74.9

80%: 64.1

85%: 54.2

90%: 47.0

93%: 43.0

95%: 40.3

97%: 37.5

98%: 36.2

99%: 34.5

August Median Flow

August Median Flow: 57.1

Low-Flow Frequencies

7-day, 2-year low flow:	39.6
7-day, 10-year low flow:	33.4

¹ Ries, K.G., III, 1998, Streamflow measurements, basin characteristics, and streamflow statistics for low-flow partial record stations operated in Massachusetts from 1989 through 1996: USGS Water Resources Investigations Report 98-4006, 162 p.

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10 Bearfoot Road
Northborough, MA 01532
(508) 490-5000

Maintainer: webmaster@mass1.er.usgs.gov



FORT POND BROOK AT WEST CONCORD, MA

General Information

USGS Station Number:	01097280
Station Type:	Low Flow, partial record
Period of Record:	1975-78
Latitude (d/m/s):	422807
Longitude (d/m/s):	712431
Location:	400 feet upstream from Nashoba Brook
Hydrologic Unit Code:	01070005
Basin Name:	Concord
Remarks:	None

Basin Characteristics

Drainage Area(sq.miles):	24.88
Stratified Drift Area(sq.miles):	7.7
Waterbody Area(sq.miles):	0.49
Wetland Area(sq.miles):	1.56
Total Stream Length(miles):	57.36
Mean Basin Slope(percent):	2.28
Minimum Elevation(ft):	126
Mean Elevation(ft):	295
Maximum Elevation(ft):	470

Streamflow Statistics

(All statistics in cubic feet per second)

Flood-Flow Frequencies

Citations	1
Mean Annual Flood:	
10 Year Flood:	
25 Year Flood:	
50 Year Flood:	
100 Year Flood:	

500 Year Flood:

Flow Durations

1%:

2%:

3%:

5%:

7%:

10%:

15%:

20%:

25%:

30%:

35%:

40%:

45%:

50%: 13.0

55%: 11.2

60%: 9.60

65%: 8.14

70%: 6.77

75%: 5.49

80%: 4.40

85%: 3.42

90%: 2.60

93%: 2.11

95%: 1.78

97%: 1.51

98%: 1.33

99%: 1.11

August Median Flow

August Median Flow: 3.65

Low-Flow Frequencies

7-day, 2-year low flow:	1.83
7-day, 10-year low flow:	0.89

¹ Ries, K.G., III, 1998, Streamflow measurements, basin characteristics, and streamflow statistics for low-flow partial record stations operated in Massachusetts from 1989 through 1996: USGS Water Resources Investigations Report 98-4006, 162 p.

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Don Corey
Corey Management Company, Inc.
P.O. Box 276
Bedford, MA 01730

STL Westfield
53 Southampton Road
Westfield, MA 01085

Tel: 413 572 4000 Fax: 413 572 3707
www.stl-inc.com

10/27/2005

Report Number: 230236

Dear Don Corey,

The analysis of your sample(s) submitted on 10/14/2005 is now complete and the appropriate analytical report is enclosed. The samples were prepared and analyzed according to established methodologies and protocols. All holding times were met for the methods performed on these samples, unless otherwise noted in the report's case narrative.

If you have any questions regarding this report, please contact your Project Manager, Rebecca C. Mason.

For questions, concerns or comments regarding our service, please do not hesitate to contact me directly. Thank you for selecting STL Westfield, and we look forward to working with you on future projects.

Steven C. Hartmann
Laboratory Director
STL WESTFIELD

Technical Review:

St. Hartmann 10.27.05

Total number of pages in this report:

50

CASE NARRATIVE FOR REPORT NUMBER: 230236

Client Name : Corey Management Company, Inc.

Project Name : Laboratory Analysis

Date : 10/27/05

230236-1 The Method 1664 Oil and Grease analyses were performed at STL-Chicago,
2417 Bond Street, University Park, IL 60466.

Date: 10/27/2005

Project Number.....: 20001233
Customer Project ID....: LABORATORY ANALYSIS
Project Description....: Laboratory Analysis

Page 1

LABORATORY TEST RESULTS

Job Number: 230236

Date: 10/27/2005

CUSTOMER: Corey Management Company, Inc.

PROJECT: LABORATORY ANALYSIS

ATTN: Don Corey

Customer Sample ID: Influent
Date Sampled.....: 10/14/2005
Time Sampled.....: 10:15
Sample Matrix.....: Water

Laboratory Sample ID: 230236-1
Date Received.....: 10/14/2005
Time Received.....: 18:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
SM18 4500CLF	Chlorine, Tot. Residual	ND	U	0.050	mg/L	10/17/05	pjs
EPA 160.2	Solids, Total Suspended (TSS)	25.0		5.0	mg/L	10/20/05	rwe
SW846 7196A	Hexavalent Chromium	ND	U	0.0050	mg/L	10/15/05	kmm
SW846 9014	Cyanide, Total	ND	U	0.010	mg/L	10/20/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste Mercury (Hg)	ND	U	0.20	ug/L	10/24/05	rac
SW846 6010B	Metals Analysis (ICP) Iron (Fe)	12000		50	ug/L	10/21/05	bpg
SW846 6010B	Metals Analysis (ICP) Antimony (Sb)	ND	U	6.0	ug/L	10/21/05	bpg
	Arsenic (As)	10		10	ug/L	10/21/05	bpg
	Cadmium (Cd)	ND	U	1.0	ug/L	10/21/05	bpg
	Chromium (Cr)	ND	U	5.0	ug/L	10/21/05	bpg
	Copper (Cu)	ND	U	10	ug/L	10/21/05	bpg
	Lead (Pb)	ND	U	5.0	ug/L	10/21/05	bpg
	Nickel (Ni)	ND	U	10	ug/L	10/21/05	bpg
	Selenium (Se)	ND	U	10	ug/L	10/21/05	bpg
	Silver (Ag)	ND	U	5.0	ug/L	10/21/05	bpg
	Zinc (Zn)	ND	U	50	ug/L	10/21/05	bpg
SW846 8011	GC-Microextraction Microextraction	Complete			Text	10/19/05	baf
SW846 8270C	Semivolatile Organics Phenol	ND	U	10	ug/L	10/24/05	baf
	Pentachlorophenol	ND	U	50	ug/L	10/24/05	baf
	Naphthalene	ND	U	5.0	ug/L	10/24/05	baf
	Acenaphthylene	ND	U	5.0	ug/L	10/24/05	baf
	Acenaphthene	ND	U	5.0	ug/L	10/24/05	baf
	Fluorene	ND	U	5.0	ug/L	10/24/05	baf
	Phenanthrene	ND	U	5.0	ug/L	10/24/05	baf
	Anthracene	ND	U	5.0	ug/L	10/24/05	baf
	Fluoranthene	ND	U	5.0	ug/L	10/24/05	baf
	Pyrene	ND	U	5.0	ug/L	10/24/05	baf
	Benzo(a)anthracene	ND	U	5.0	ug/L	10/24/05	baf
	Chrysene	ND	U	5.0	ug/L	10/24/05	baf
	Bis(2-ethylhexyl)phthalate	ND	U	10	ug/L	10/24/05	baf
	Benzo(b)fluoranthene	ND	U	5.0	ug/L	10/24/05	baf
	Benzo(k)fluoranthene	ND	U	5.0	ug/L	10/24/05	baf
	Benzo(a)pyrene	ND	U	5.0	ug/L	10/24/05	baf
	Indeno(1,2,3-cd)pyrene	ND	U	5.0	ug/L	10/24/05	baf
	Dibenzo(a,h)anthracene	ND	U	5.0	ug/L	10/24/05	baf

* In Description = Dry Wgt.

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SEVERN
TRENT

STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843



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STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230236

Date: 10/27/2005

CUSTOMER: Corey Management Company, Inc.

PROJECT: LABORATORY ANALYSIS

ATTN: Don Corey

Customer Sample ID: Influent
Date Sampled.....: 10/14/2005
Time Sampled.....: 10:15
Sample Matrix.....: Water

Laboratory Sample ID: 230236-1
Date Received.....: 10/14/2005
Time Received.....: 18:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
SW846 8011	Benzo(ghi)perylene	ND	U	5.0	ug/L	10/24/05	baf
	GC Micro-Extractable Volatiles						
EPA 608	1,2-Dibromoethane (EDB)	ND	U	0.019	ug/L	10/19/05	baf
	Pesticides/PCBs (Organochlorine)						
EPA 608	Aroclor 1016	ND	U	1.0	ug/L	10/24/05	jcs
	Aroclor 1221	ND	U	1.0	ug/L	10/24/05	jcs
	Aroclor 1232	ND	U	1.0	ug/L	10/24/05	jcs
	Aroclor 1242	ND	U	1.0	ug/L	10/24/05	jcs
	Aroclor 1248	ND	U	1.0	ug/L	10/24/05	jcs
	Aroclor 1254	ND	U	1.0	ug/L	10/24/05	jcs
	Aroclor 1260	ND	U	1.0	ug/L	10/24/05	jcs
	Chlordane, total	ND	U	0.50	ug/L	10/24/05	jcs
SW846 8260B	Volatile Organics						
	Benzene	0.86	J	1.0	ug/L	10/22/05	caox
	Toluene	1.3		1.0	ug/L	10/22/05	caox
	Ethylbenzene	5.8		1.0	ug/L	10/22/05	caox
	m&p-Xylenes	9.8		1.0	ug/L	10/22/05	caox
	o-Xylene	17		1.0	ug/L	10/22/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	10/22/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	10/22/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	10/22/05	caox
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	10/22/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	10/22/05	caox
	1,2-Dichloroethane	ND	U	1.0	ug/L	10/22/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	10/22/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	10/22/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	10/22/05	caox
	Naphthalene	19		5.0	ug/L	10/22/05	caox
	tert-Butyl alcohol (TBA)	ND	U	50	ug/L	10/22/05	caox
	tert-Amyl methyl ether (TAME)	ND	U	5.0	ug/L	10/22/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	10/22/05	caox
	Acetone	ND	U	50	ug/L	10/22/05	caox
	Methylene chloride	ND	U	2.0	ug/L	10/22/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	10/22/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	10/22/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	10/22/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	10/22/05	caox
	1,4-Dioxane	ND	U	50	ug/L	10/22/05	caox

* In Description = Dry Wgt.

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STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87812 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843



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N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230236

Date: 10/27/2005

CUSTOMER: Corey Management Company, Inc.

PROJECT: LABORATORY ANALYSIS

ATTN: Don Corey

Customer Sample ID: Trip Blank
Date Sampled.....: 10/14/2005
Time Sampled.....: 12:00
Sample Matrix.....: Water

Laboratory Sample ID: 230236-2
Date Received.....: 10/14/2005
Time Received.....: 18:40

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
SW846 82608	Volatile Organics						
	Benzene	ND	U	1.0	ug/L	10/22/05	caox
	Toluene	ND	U	1.0	ug/L	10/22/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	10/22/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	10/22/05	caox
	o-Xylene	ND	U	1.0	ug/L	10/22/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	10/22/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	10/22/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	10/22/05	caox
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	10/22/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	10/22/05	caox
	1,2-Dichloroethane	ND	U	1.0	ug/L	10/22/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	10/22/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	10/22/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	10/22/05	caox
	Naphthalene	ND	U	5.0	ug/L	10/22/05	caox
	tert-Butyl alcohol (TBA)	ND	U	50	ug/L	10/22/05	caox
	tert-Amyl methyl ether (TAME)	ND	U	5.0	ug/L	10/22/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	10/22/05	caox
	Acetone	ND	U	50	ug/L	10/22/05	caox
	Methylene chloride	ND	U	2.0	ug/L	10/22/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	10/22/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	10/22/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	10/22/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	10/22/05	caox
	1,4-Dioxane	ND	U	50	ug/L	10/22/05	caox

* In Description = Dry Wgt.

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SEVERN
TRENT

STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843



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LABORATORY CHRONICLE

Job Number: 230236

Date: 10/27/2005

CUSTOMER: Corey Management Company, Inc.

PROJECT: LABORATORY ANALYSIS

ATTN: Don Corey

Lab ID: 230236-1	Client ID: Influent	Date Recvd: 10/14/2005	Sample Date: 10/14/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	
3010A	Acid Digestion, Total (ICP)	1	51333		
SM18 4500CLF	Chlorine, (DPD)	1	51490		
SW846 9014	Cyanide (Colorimetric)	1	51539		
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	51431		
EPA 608 Extr.	Extraction Sep. Funnel Prep for EPA 608	1	51591		
SW846 8011	GC Micro-Extractable Volatiles	1	51586		
SW846 8011	GC-Microextraction	1	51584		
SW846 7196A	Hexavalent Chromium	1	51478		
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	51346		
SW846 7470A	Mercury (CVAA) Liquid Waste	1	51708	51346	
SW846 6010B	Metals Analysis (ICP)	1	51557	51333	
SW846 6010B	Metals Analysis (ICP)	1	51561	51333	
EPA 608	Pesticides/PCBs (Organochlorine)	1	51689	51591	
SW846 8270C	Semivolatile Organics	1	51637	51431	
EPA 160.2	Solids, Total Suspended (TSS)	1	51624		
	Special Instructions	1	51597		
	Special Instructions	1	51765		
SW846 8260B	Volatile Organics	1	51598		
				DATE/TIME ANALYZED	
				DILUTION	
				10/17/2005 0000	
				10/17/2005 0000	
				10/20/2005 0000	
				10/18/2005 0000	
				10/21/2005 0000	
				10/19/2005 1850	
				10/19/2005 0000	
				10/15/2005 0800	
				10/17/2005 1230	
				10/24/2005 1333	
				10/21/2005 0034	
				10/21/2005 0034	
				10/24/2005 0933	
				10/24/2005 1520	
				10/20/2005 0000	
				10/22/2005 1222	
				10/27/2005 0003	
				10/22/2005 0143	1

Lab ID: 230236-2	Client ID: Trip Blank	Date Recvd: 10/14/2005	Sample Date: 10/14/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	
	Special Instructions	1	51597		
SW846 8260B	Volatile Organics	1	51598		
				DATE/TIME ANALYZED	
				DILUTION	
				10/22/2005 1222	
				10/22/2005 0210	1

SURROGATE RECOVERIES REPORT

Job Number.: 230236

Report Date.: 10/27/2005

CUSTOMER: Corey Management Company, Inc.

PROJECT: LABORATORY ANALYSIS

ATTN: Don Corey

Method.....: Pesticides/PCBs (Organochlorine)
Batch(s).....: 51689

Method Code...: 608
Test Matrix...: Water

Prep Batch.....: 51591
Equipment Code:

Lab ID	DT	Sample ID	Date	DCB	TCX
LCD			10/24/2005	86.6	75.5
LCD			10/24/2005	86.1	89.9
LCS			10/24/2005	81.5	66.0
LCS			10/24/2005	85.9	89.7
MB			10/24/2005	81.2	78.2
230236- 1		Influent	10/24/2005	73.1	63.2

Test	Test Description	Limits
DCB	Decachlorobiphenyl (surr)	30.0 - 150.
TCX	Tetrachloro-m-xylene (surr)	30.0 - 150.

SURROGATE RECOVERIES REPORT

Job Number.: 230236

Report Date.: 10/27/2005

CUSTOMER: Corey Management Company, Inc.

PROJECT: LABORATORY ANALYSIS

ATTN: Don Corey

Method.....: Volatile Organics
Batch(s).....: 51598

Method Code...: 8260
Test Matrix...: Water

Prep Batch.....: VHPMS1
Equipment Code: VHPMS1

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			10/21/2005	95.5	94.1	106.3	100.5
LCS			10/21/2005	100.3	95.2	110.7	102.8
MB			10/21/2005	95.3	91.4	106.8	100.5
230236- 1		Influent	10/22/2005	93.9	94.2	99.8	99.1
230236- 2		Trip Blank	10/22/2005	96.4	95.1	104.0	100.5

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70.0 - 130.
BRFLBE	4-Bromofluorobenzene (surr)	70.0 - 130.
DBRFLM	Dibromofluoromethane (surr)	70.0 - 130.
TOLD8	Toluene-d8 (surr)	70.0 - 130.

Job Number.: 230236

SURROGATE RECOVERIES REPORT

Report Date.: 10/27/2005

CUSTOMER: Corey Management Company, Inc.

PROJECT: LABORATORY ANALYSIS

ATTN: Don Corey

Method.....: Semivolatile Organics
Batch(s).....: 51637Method Code....: 8270
Test Matrix....: WaterPrep Batch.....: 51431
Equipment Code: EHPGC1

Lab ID	DT	Sample ID	Date	246TBP	2FLUBP	2FLUPH	NITRD5	PHEND5	TERD14
LCD			10/20/2005	82.7	78.1	33.7	65.7	21.9	80.4
LCS			10/20/2005	82.0	76.0	30.9	68.9	19.9	81.3
MB			10/20/2005	75.1	64.2	36.8	60.3	26.5	80.6
230236- 1		Influent	10/24/2005	88.9	71.0	34.0	63.6	22.9	78.2

Test	Test Description	Limits
246TBP	2,4,6-Tribromophenol (surr)	15.0 - 110.
2FLUBP	2-Fluorobiphenyl (surr)	30.0 - 130.
2FLUPH	2-Fluorophenol (surr)	15.0 - 110.
NITRD5	Nitrobenzene-d5 (surr)	30.0 - 130.
PHEND5	Phenol-d5 (surr)	15.0 - 110.
TERD14	Terphenyl-d14 (surr)	30.0 - 130.

Job Number.: 230236			QUALITY CONTROL RESULTS		Report Date.: 10/27/2005	
CUSTOMER: Corey Management Company, Inc.			PROJECT: LABORATORY ANALYSIS		ATTN: Don Corey	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW846 8270C	Batch.....: 51637	Analyst....: baf
Method Description.: Semivolatile Organics		

LCD	Laboratory Control Sample Duplicate		E051SPK058	51431		10/20/2005 1706		
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Phenol	ug/L	10.600	9.440 J	40.000	10.000	U 26.5 11.6	30.0-130.0 *	
Naphthalene	ug/L	24.050	24.690	40.000	5.000	U 60.1 2.6	40.0-140.0	
Acenaphthylene	ug/L	33.960	32.660	40.000	5.000	U 84.9 3.9	40.0-140.0	
Acenaphthene	ug/L	30.130	29.500	40.000	5.000	U 75.3 2.1	40.0-140.0	
Fluorene	ug/L	34.560	33.150	40.000	5.000	U 86.4 4.2	40.0-140.0	
Pentachlorophenol	ug/L	32.580 J	29.570 J	40.000	50.000	U 81.5 9.7	30.0-130.0	
Phenanthrene	ug/L	32.370	32.590	40.000	5.000	U 80.9 0.7	40.0-140.0	
Anthracene	ug/L	33.060	32.790	40.000	5.000	U 82.7 0.8	40.0-140.0	
Fluoranthene	ug/L	33.830	33.770	40.000	5.000	U 84.6 0.2	40.0-140.0	
Pyrene	ug/L	31.940	32.370	40.000	5.000	U 79.8 1.3	40.0-140.0	
Benzo(a)anthracene	ug/L	30.720	30.580	40.000	5.000	U 76.8 0.5	40.0-140.0	
Chrysene	ug/L	33.430	33.100	40.000	5.000	U 83.6 1.0	40.0-140.0	
Bis(2-ethylhexyl)phthalate	ug/L	34.240	33.910	40.000	10.000	U 85.6 1.0	40.0-140.0	
Benzo(b)fluoranthene	ug/L	32.420	31.020	40.000	5.000	U 81.0 4.4	40.0-140.0	
Benzo(k)fluoranthene	ug/L	33.530	35.070	40.000	5.000	U 83.8 4.5	40.0-140.0	
Benzo(a)pyrene	ug/L	33.470	32.420	40.000	5.000	U 83.7 3.2	40.0-140.0	
Indeno(1,2,3-cd)pyrene	ug/L	34.940	34.350	40.000	5.000	U 87.3 1.7	40.0-140.0	
Dibenzo(a,h)anthracene	ug/L	34.690	34.480	40.000	5.000	U 86.7 0.6	40.0-140.0	
Benzo(ghi)perylene	ug/L	34.800	34.360	40.000	5.000	U 87.0 1.3	40.0-140.0	

Job Number.: 230236		QUALITY CONTROL RESULTS		Report Date.: 10/27/2005	
CUSTOMER: Corey Management Company, Inc.		PROJECT: LABORATORY ANALYSIS		ATTN: Don Corey	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

Test Method.....: SW846 8270C	Batch.....: 51637	Analyst....: baf
Method Description.: Semivolatile Organics		

LCS	Laboratory Control Sample	E051SPK058	51431		10/20/2005 1621
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Phenol	ug/L	9.440	J	40.000	10.000	U 23.6	30-130	*
Naphthalene	ug/L	24.690		40.000	5.000	U 61.7	40-140	
Acenaphthylene	ug/L	32.660		40.000	5.000	U 81.7	40-140	
Acenaphthene	ug/L	29.500		40.000	5.000	U 73.8	40-140	
Fluorene	ug/L	33.150		40.000	5.000	U 82.9	40-140	
Pentachlorophenol	ug/L	29.570	J	40.000	50.000	U 73.9	30-130	
Phenanthrene	ug/L	32.590		40.000	5.000	U 81.5	40-140	
Anthracene	ug/L	32.790		40.000	5.000	U 82.0	40-140	
Fluoranthene	ug/L	33.770		40.000	5.000	U 84.4	40-140	
Pyrene	ug/L	32.370		40.000	5.000	U 80.9	40-140	
Benzo(a)anthracene	ug/L	30.580		40.000	5.000	U 76.5	40-140	
Chrysene	ug/L	33.100		40.000	5.000	U 82.8	40-140	
Bis(2-ethylhexyl)phthalate	ug/L	33.910		40.000	10.000	U 84.8	40-140	
Benzo(b)fluoranthene	ug/L	31.020		40.000	5.000	U 77.5	40-140	
Benzo(k)fluoranthene	ug/L	35.070		40.000	5.000	U 87.7	40-140	
Benzo(a)pyrene	ug/L	32.420		40.000	5.000	U 81.0	40-140	
Indeno(1,2,3-cd)pyrene	ug/L	34.350		40.000	5.000	U 85.9	40-140	
Dibenzo(a,h)anthracene	ug/L	34.480		40.000	5.000	U 86.2	40-140	
Benzo(ghi)perylene	ug/L	34.360		40.000	5.000	U 85.9	40-140	

Job Number.: 230236		QUALITY CONTROL RESULTS		Report Date.: 10/27/2005	
CUSTOMER: Corey Management Company, Inc.		PROJECT: LABORATORY ANALYSIS		ATTN: Don Corey	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

Test Method.....: SW846 8270C	Batch.....: 51637	Analyst....: baf
Method Description.: Semivolatile Organics		

MB	Method Blank		51431		10/20/2005 1536
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Phenol	ug/L	10.000	U					
Naphthalene	ug/L	5.000	U					
Acenaphthylene	ug/L	5.000	U					
Acenaphthene	ug/L	5.000	U					
Fluorene	ug/L	5.000	U					
Pentachlorophenol	ug/L	50.000	U					
Phenanthrene	ug/L	5.000	U					
Anthracene	ug/L	5.000	U					
Fluoranthene	ug/L	5.000	U					
Pyrene	ug/L	5.000	U					
Benzo(a)anthracene	ug/L	5.000	U					
Chrysene	ug/L	5.000	U					
Bis(2-ethylhexyl)phthalate	ug/L	10.000	U					
Benzo(b)fluoranthene	ug/L	5.000	U					
Benzo(k)fluoranthene	ug/L	5.000	U					
Benzo(a)pyrene	ug/L	5.000	U					
Indeno(1,2,3-cd)pyrene	ug/L	5.000	U					
Dibenzo(a,h)anthracene	ug/L	5.000	U					
Benzo(ghi)perylene	ug/L	5.000	U					

Job Number.: 230236		QUALITY CONTROL RESULTS			Report Date.: 10/27/2005	
CUSTOMER: Corey Management Company, Inc.		PROJECT: LABORATORY ANALYSIS		ATTN: Don Corey		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SW846 8011	Analyst...: baf
Method Description.: GC Micro-Extractable Volatiles	Batch.....: 51586

LCD	Laboratory Control Sample Duplicate	S02ASTK501			10/19/2005	1920
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
1,2-Dibromoethane (EDB)	ug/L	0.197	0.251	0.250	0.020	U 78.8 24.1	70.0-130.0 20.0	*

QUALITY CONTROL RESULTS

Job Number.: 230236

Report Date.: 10/27/2005

CUSTOMER: Corey Management Company, Inc.

PROJECT: LABORATORY ANALYSIS

ATTN: Don Corey

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: SW846 8011

Method Description.: GC Micro-Extractable Volatiles

Batch.....: 51586

Analyst....: baf

LCS	Laboratory Control Sample	S02ASTK501			10/19/2005	1910
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
1,2-Dibromoethane (EDB)	ug/L	0.251		0.250	0.020	U 100.4	70-130	

Job Number.: 230236		QUALITY CONTROL RESULTS				Report Date.: 10/27/2005	
CUSTOMER: Corey Management Company, Inc.			PROJECT: LABORATORY ANALYSIS			ATTN: Don Corey	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
Test Method.....: SW846 8011 Method Description.: GC Micro-Extractable Volatiles Batch.....: 51586 Analyst....: baf							
MB	Method Blank				10/19/2005	1900	
Parameter/Test Description		Units	QC Result	QC Result	True Value	Orig. Value	QC Calc. * Limits F
1,2-Dibromoethane (EDB)		ug/L	0.020	U			

Job Number.: 230236

QUALITY CONTROL RESULTS

Report Date.: 10/27/2005

CUSTOMER: Corey Management Company, Inc.

PROJECT: LABORATORY ANALYSIS

ATTN: Don Corey

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: EPA 608

Method Description.: Pesticides/PCBs (Organochlorine)

Batch.....: 51689

Analyst...: jcs

LCD	Laboratory Control Sample Duplicate	E05ISPK006	51591		10/24/2005	1952
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aroclor 1016	ug/L	2.511	2.530	2.500	1.000	U 100	50-114	
Aroclor 1260	ug/L	2.644	2.598	2.500	1.000	U 106	50	
						2	8-127	
							50	

Job Number.: 230236		QUALITY CONTROL RESULTS			Report Date.: 10/27/2005	
CUSTOMER: Corey Management Company, Inc.		PROJECT: LABORATORY ANALYSIS		ATTN: Don Corey		
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: EPA 608	Batch.....: 51689	Analyst....: jcs
Method Description.: Pesticides/PCBs (Organochlorine)		

LCS	Laboratory Control Sample	E051SPK006	51591		10/24/2005	1927				
Parameter/Test Description		Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	*	Limits	F
Aroclor 1016		ug/L	2.530		2.500	1.000	U 101.2		50-114	
Aroclor 1260		ug/L	2.598		2.500	1.000	U 103.9		8-127	

Job Number.: 230236

QUALITY CONTROL RESULTS

Report Date.: 10/27/2005

CUSTOMER: Corey Management Company, Inc.

PROJECT: LABORATORY ANALYSIS

ATTN: Don Corey

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: EPA 608

Method Description.: Pesticides/PCBs (Organochlorine)

Batch.....: 51689

Analyst....: jcs

MB	Method Blank		51591		10/24/2005	0830
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Aroclor 1016	ug/L	1.000	U					
Aroclor 1221	ug/L	1.000	U					
Aroclor 1232	ug/L	1.000	U					
Aroclor 1242	ug/L	1.000	U					
Aroclor 1248	ug/L	1.000	U					
Aroclor 1254	ug/L	1.000	U					
Aroclor 1260	ug/L	1.000	U					
Chlordane, total	ug/L	0.500	U					

Job Number.: 230236		QUALITY CONTROL RESULTS			Report Date.: 10/27/2005	
CUSTOMER: Corey Management Company, Inc.		PROJECT: LABORATORY ANALYSIS			ATTN: Don Corey	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

Test Method.....: SWB46 8260B	Batch.....: 51598	Analyst....: caox
Method Description.: Volatile Organics		

LCD	Laboratory Control Sample Duplicate	V04EWRK001			10/21/2005	1511
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Vinyl chloride	ug/L	21.100	21.550	20.000	1.000	U 105.5	70.0-130.0	
1,1-Dichloroethene	ug/L	20.910	21.770	20.000	1.000	U 104.5	25.0	
Acetone	ug/L	166.640	169.290	200.000	50.000	U 83.3	70.0-130.0	
Methylene chloride	ug/L	23.120	23.970	20.000	2.000	U 115.6	25.0	
Methyl-tert-butyl-ether (MTBE)	ug/L	19.170	19.630	20.000	1.000	U 95.8	70.0-130.0	
1,1-Dichloroethane	ug/L	21.870	22.870	20.000	1.000	U 109.3	25.0	
cis-1,2-Dichloroethene	ug/L	21.540	22.710	20.000	1.000	U 107.7	70.0-130.0	
1,1,1-Trichloroethane	ug/L	20.800	21.830	20.000	1.000	U 104.0	25.0	
Carbon tetrachloride	ug/L	24.140	25.220	20.000	1.000	U 120.7	70.0-130.0	
Benzene	ug/L	21.970	22.110	20.000	1.000	U 109.8	25.0	
1,2-Dichloroethane	ug/L	19.940	20.970	20.000	1.000	U 99.7	70.0-130.0	
Trichloroethene (TCE)	ug/L	23.320	23.810	20.000	1.000	U 116.6	25.0	
Toluene	ug/L	20.480	21.020	20.000	1.000	U 102.4	70.0-130.0	
1,1,2-Trichloroethane	ug/L	22.470	22.380	20.000	1.000	U 112.3	25.0	
Tetrachloroethene	ug/L	22.250	23.080	20.000	1.000	U 111.2	70.0-130.0	
Ethylbenzene	ug/L	18.970	19.390	20.000	1.000	U 94.8	25.0	
m&p-Xylenes	ug/L	38.190	39.050	40.000	1.000	U 95.5	70.0-130.0	
o-Xylene	ug/L	18.670	19.250	20.000	1.000	U 93.3	25.0	
1,3-Dichlorobenzene	ug/L	20.570	20.920	20.000	1.000	U 102.8	70.0-130.0	
1,4-Dichlorobenzene	ug/L	20.300	20.480	20.000	1.000	U 101.5	25.0	
1,2-Dichlorobenzene	ug/L	20.510	20.410	20.000	1.000	U 102.5	70.0-130.0	
Naphthalene	ug/L	25.670	25.250	20.000	5.000	U 128.3	25.0	
tert-Butyl alcohol (TBA)	ug/L	202.510	178.120	200.000	50.000	U 101.3	70.0-130.0	
1,4-Dioxane	ug/L	278.120	273.570	200.000	50.000	U 139.1	25.0	
tert-Amyl methyl ether (TAME)	ug/L	19.890	19.780	20.000	5.000	U 99.5	70.0-130.0	
						0.6	25.0	

Job Number.: 230236		QUALITY CONTROL RESULTS		Report Date.: 10/27/2005	
CUSTOMER: Corey Management Company, Inc.		PROJECT: LABORATORY ANALYSIS		ATTN: Don Corey	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

Test Method.....: SW846 8260B	Batch.....: 51598	Analyst....: caox
Method Description.: Volatile Organics		

LCS	Laboratory Control Sample	V04EWRK001			10/21/2005 1444
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Vinyl chloride	ug/L	21.550		20.000	1.000	U 107.8	70-130	
1,1-Dichloroethene	ug/L	21.770		20.000	1.000	U 108.8	70-130	
Acetone	ug/L	169.290		200.000	50.000	U 84.6	70-130	
Methylene chloride	ug/L	23.970		20.000	2.000	U 119.8	70-130	
Methyl-tert-butyl-ether (MTBE)	ug/L	19.630		20.000	1.000	U 98.2	70-130	
1,1-Dichloroethane	ug/L	22.870		20.000	1.000	U 114.3	70-130	
cis-1,2-Dichloroethene	ug/L	22.710		20.000	1.000	U 113.5	70-130	
1,1,1-Trichloroethane	ug/L	21.830		20.000	1.000	U 109.2	70-130	
Carbon tetrachloride	ug/L	25.220		20.000	1.000	U 126.1	70-130	
Benzene	ug/L	22.110		20.000	1.000	U 110.5	70-130	
1,2-Dichloroethane	ug/L	20.970		20.000	1.000	U 104.8	70-130	
Trichloroethene (TCE)	ug/L	23.810		20.000	1.000	U 119.0	70-130	
Toluene	ug/L	21.020		20.000	1.000	U 105.1	70-130	
1,1,2-Trichloroethane	ug/L	22.380		20.000	1.000	U 111.9	70-130	
Tetrachloroethene	ug/L	23.080		20.000	1.000	U 115.4	70-130	
Ethylbenzene	ug/L	19.390		20.000	1.000	U 97.0	70-130	
m&p-Xylenes	ug/L	39.050		40.000	1.000	U 97.6	70-130	
o-Xylene	ug/L	19.250		20.000	1.000	U 96.2	70-130	
1,3-Dichlorobenzene	ug/L	20.920		20.000	1.000	U 104.6	70-130	
1,4-Dichlorobenzene	ug/L	20.480		20.000	1.000	U 102.4	70-130	
1,2-Dichlorobenzene	ug/L	20.410		20.000	1.000	U 102.0	70-130	
Naphthalene	ug/L	25.250		20.000	5.000	U 126.2	70-130	
tert-Butyl alcohol (TBA)	ug/L	178.120		200.000	50.000	U 89.1	70-130	
1,4-Dioxane	ug/L	273.570		200.000	50.000	U 136.8	70-130	
tert-Amyl methyl ether (TAME)	ug/L	19.780		20.000	5.000	U 98.9	70-130	*

Job Number.: 230236		QUALITY CONTROL RESULTS		Report Date.: 10/27/2005	
CUSTOMER: Corey Management Company, Inc.		PROJECT: LABORATORY ANALYSIS		ATTN: Don Corey	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

Test Method.....: SW846 8260B	Analyst....: caox
Method Description.: Volatile Organics	Batch.....: 51598

MB	Method Blank				10/21/2005 1633
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Vinyl chloride	ug/L	1.000	U					
1,1-Dichloroethene	ug/L	1.000	U					
Acetone	ug/L	50.000	U					
Methylene chloride	ug/L	2.000	U					
Methyl-tert-butyl-ether (MTBE)	ug/L	1.000	U					
1,1-Dichloroethane	ug/L	1.000	U					
cis-1,2-Dichloroethene	ug/L	1.000	U					
1,1,1-Trichloroethane	ug/L	1.000	U					
Carbon tetrachloride	ug/L	1.000	U					
Benzene	ug/L	1.000	U					
1,2-Dichloroethane	ug/L	1.000	U					
Trichloroethene (TCE)	ug/L	1.000	U					
Toluene	ug/L	1.000	U					
1,1,2-Trichloroethane	ug/L	1.000	U					
Tetrachloroethene	ug/L	1.000	U					
Ethylbenzene	ug/L	1.000	U					
m&p-Xylenes	ug/L	1.000	U					
o-Xylene	ug/L	1.000	U					
1,3-Dichlorobenzene	ug/L	1.000	U					
1,4-Dichlorobenzene	ug/L	1.000	U					
1,2-Dichlorobenzene	ug/L	1.000	U					
Naphthalene	ug/L	5.000	U					
tert-Butyl alcohol (TBA)	ug/L	50.000	U					
1,4-Dioxane	ug/L	50.000	U					
tert-Amyl methyl ether (TAME)	ug/L	5.000	U					

Job Number.: 230236		QUALITY CONTROL RESULTS		Report Date.: 10/27/2005	
CUSTOMER: Corey Management Company, Inc.		PROJECT: LABORATORY ANALYSIS		ATTN: Don Corey	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

Test Method.....: SW846 6010B	Batch.....: 51557	Analyst....: bpg
Method Description.: Metals Analysis (ICP)		

LCD	Laboratory Control Sample Duplicate	M05ISPK018	51333		10/20/2005 2158
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Antimony (Sb)	ug/L	989.18	975.36	1000.00		98.9	80.0-120.0	
Arsenic (As)	ug/L	995.00	980.52	1000.00		1.4	20.0	
Cadmium (Cd)	ug/L	996.31	977.71	1000.00		99.5	80.0-120.0	
Chromium (Cr)	ug/L	982.95	969.53	1000.00		1.5	20.0	
Copper (Cu)	ug/L	972.69	974.15	1000.00		99.6	80.0-120.0	
Lead (Pb)	ug/L	994.23	982.60	1000.00		1.9	20.0	
Nickel (Ni)	ug/L	968.42	955.08	1000.00		98.3	80.0-120.0	
Selenium (Se)	ug/L	959.72	944.36	1000.00		1.4	20.0	
Silver (Ag)	ug/L	196.85	195.09	200.00		99.4	80.0-120.0	
Zinc (Zn)	ug/L	998.83	976.14	1000.00		1.2	20.0	
						96.8	80.0-120.0	
						1.4	20.0	
						96.0	80.0-120.0	
						1.6	20.0	
						98.4	80.0-120.0	
						0.9	20.0	
						99.9	80.0-120.0	
						2.3	20.0	

Job Number.: 230236		QUALITY CONTROL RESULTS		Report Date.: 10/27/2005	
CUSTOMER: Corey Management Company, Inc.		PROJECT: LABORATORY ANALYSIS		ATTN: Don Corey	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

Test Method.....: SW846 6010B	Batch.....: 51557	Analyst....: bpg
Method Description.: Metals Analysis (ICP)		

LCS	Laboratory Control Sample	M051SPK018	51333			10/20/2005 2152
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Antimony (Sb)	ug/L	975.36		1000.00		97.5	80-120	
Arsenic (As)	ug/L	980.52		1000.00		98.1	80-120	
Cadmium (Cd)	ug/L	977.71		1000.00		97.8	80-120	
Chromium (Cr)	ug/L	969.53		1000.00		97.0	80-120	
Copper (Cu)	ug/L	974.15		1000.00		97.4	80-120	
Lead (Pb)	ug/L	982.60		1000.00		98.3	80-120	
Nickel (Ni)	ug/L	955.08		1000.00		95.5	80-120	
Selenium (Se)	ug/L	944.36		1000.00		94.4	80-120	
Silver (Ag)	ug/L	195.09		200.00		97.5	80-120	
Zinc (Zn)	ug/L	976.14		1000.00		97.6	80-120	

Job Number.: 230236		QUALITY CONTROL RESULTS		Report Date.: 10/27/2005	
CUSTOMER: Corey Management Company, Inc.		PROJECT: LABORATORY ANALYSIS		ATTN: Don Corey	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

Test Method.....: SW846 60108	Batch.....: 51557	Analyst....: bpg
Method Description.: Metals Analysis (ICP)		

MB	Method Blank		51333		10/20/2005 2204
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Antimony (Sb)	ug/L	6.00	U					
Arsenic (As)	ug/L	10.00	U					
Cadmium (Cd)	ug/L	1.00	U					
Chromium (Cr)	ug/L	5.00	U					
Copper (Cu)	ug/L	10.00	U					
Lead (Pb)	ug/L	5.00	U					
Nickel (Ni)	ug/L	10.00	U					
Selenium (Se)	ug/L	10.00	U					
Silver (Ag)	ug/L	5.00	U					
Zinc (Zn)	ug/L	50.00	U					

Job Number.: 230236

QUALITY CONTROL RESULTS

Report Date.: 10/27/2005

CUSTOMER: Corey Management Company, Inc.

PROJECT: LABORATORY ANALYSIS

ATTN: Don Corey

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: SW846 6010B

Method Description.: Metals Analysis (ICP)

Batch.....: 51557

Analyst....: bpg

MD	Sample Duplicate		229876-4		10/20/2005	2215
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Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc.	* Limits	F
Antimony (Sb)	ug/L	6.00	U		6.00	U 0.0	20.0	
Arsenic (As)	ug/L	10.00	U		10.00	U 0.0	20.0	
Cadmium (Cd)	ug/L	1.00	U		1.00	U 0.0	20.0	
Chromium (Cr)	ug/L	5.00	U		5.00	U 0.0	20.0	
Copper (Cu)	ug/L	10.00	U		10.00	U 0.0	20.0	
Lead (Pb)	ug/L	5.00	U		5.00	U 0.0	20.0	
Nickel (Ni)	ug/L	10.00	U		10.00	U 0.0	20.0	
Selenium (Se)	ug/L	10.00	U		10.00	U 0.0	20.0	
Silver (Ag)	ug/L	5.00	U		5.00	U 0.0	20.0	
Zinc (Zn)	ug/L	50.00	U		50.00	U 0.0	20.0	

Job Number.: 230236		QUALITY CONTROL RESULTS				Report Date.: 10/27/2005	
CUSTOMER: Corey Management Company, Inc.			PROJECT: LABORATORY ANALYSIS			ATTN: Don Corey	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	

Test Method.....: SW846 6010B	Batch.....: 51557	Analyst....: bpg
Method Description.: Metals Analysis (ICP)		

MS	Matrix Spike	M051SPK018	229876-4		10/20/2005	2221
Parameter/Test Description	Units	QC Result	QC Result	True Value	Orig. Value	QC Calc. * Limits F
Antimony (Sb)	ug/L	870.74		1000.00	6.00	U 87 % 75-125
Arsenic (As)	ug/L	883.89		1000.00	10.00	U 88 % 75-125
Cadmium (Cd)	ug/L	875.30		1000.00	1.00	U 88 % 75-125
Chromium (Cr)	ug/L	869.17		1000.00	5.00	U 87 % 75-125
Copper (Cu)	ug/L	868.59		1000.00	10.00	U 87 % 75-125
Lead (Pb)	ug/L	878.00		1000.00	5.00	U 88 % 75-125
Nickel (Ni)	ug/L	853.87		1000.00	10.00	U 85 % 75-125
Selenium (Se)	ug/L	851.19		1000.00	10.00	U 85 % 75-125
Silver (Ag)	ug/L	175.07		200.00	5.00	U 88 % 75-125
Zinc (Zn)	ug/L	884.29		1000.00	50.00	U 88 % 75-125