Williamson Environmental LLC

280 Ayer Road, Harvard, MA 01451 • Office: (978) 862-0110 • Fax: (978) 862-0111

October 3, 2008

US Environmental Protection Agency
RGP – NOI Processing
Municipal Assistance Unit (CMU)
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Re: Notice of Intent for Remediation General Permit (RGP)
Southbridge Xtramart
465 East Main Street
Southbridge, MA
MA DEP RTN 2-11482

To Whom It May Concern:

On behalf of Drake Petroleum Company, Inc., Williamson Environmental LLC (Williamson Environmental) has prepared this Notice of Intent (NOI) for a new discharge at the above referenced location.

Should you have questions or require additional information, please contact the undersigned.

Sincerely,
Williamson Environmental LLC

Thomas Williamson, Jr.
President

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General site information. Please provide the following information about the site:

<table>
<tr><td colspan="3">a) Name of facility/site:
SOUTHBRIDGE XTRAMART</td><td colspan="4">Facility/site address:</td></tr>
<tr><td colspan="2">Location of facility/site:
longitude: 72.01 latitude: 42.07</td><td>Facility SIC code(s):
5541</td><td colspan="4">Street:
465 EAST MAIN STREET</td></tr>
<tr><td colspan="3">b) Name of facility/site owner: DRAKE PETROLEUM CO.</td><td colspan="4">Town: SOUTHBRIDGE</td></tr>
<tr><td colspan="3">Email address of owner:</td><td>State:
MA</td><td>Zip:
01550</td><td>County:</td></tr>
<tr><td colspan="3">Telephone no.of facility/site owner: (860) 935-5200</td><td colspan="3" rowspan="2">Owner is (check one): 1. Federal ___ 2. State/Tribal ___
3. Private ✔ 4. other, if so, describe:</td></tr>
<tr><td colspan="3">Fax no. of facility/site owner:
Address of owner (if different from site):</td></tr>
<tr><td colspan="6">Street: 221 QUINEBAUG ROAD</td></tr>
<tr><td colspan="2">Town: N. GROSVENORDALE</td><td>State: CT</td><td>Zip: 06255</td><td colspan="2">County:</td></tr>
<tr><td colspan="2" rowspan="2">c) Legal name of operator:
WILLIAMSON ENVIRONMENTAL LLC</td><td colspan="4">Operator telephone no: (978) 862-0110</td></tr>
<tr><td colspan="2">Operator fax no.: (978) 862-0111</td><td colspan="2">Operator email:
heidir@williamsonenv.com</td></tr>
<tr><td colspan="6">Operator contact name and title: Thomas Williamson, Jr. LSP</td></tr>
</table>

Address of **operator** (if different from owner):	Street: 280 Ayer Road		
Town: Harvard	State: MA	Zip: 01451	County: Worcester

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

e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes✔ No___
If "yes," please list:
1. site identification # assigned by the state of NH or MA: RTN 2-11482
2. permit or license # assigned:
3. state agency contact information: name, location, and telephone number:
MA DEP CERO WORCESTER, MA 508/792-7650

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:
Project involves dewatering as a remedial action during soil excavation activities related to RTN 2-11482.

b) Provide the following information about each discharge:	1) Number of discharge points: 1	2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft^3/s)? Max. flow 0.40 Average flow 0.27 Is maximum flow a **design value**? Y✔ N___ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available.

3) Latitude and longitude of each discharge within 100 feet: pt.1:long.72. lat.42.; 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):	5) Is the discharge intermittent ✔ or seasonal ____ ? Is discharge ongoing Yes ____ No ✔ ?
c) Expected dates of discharge (mm/dd/yy): start 10/20/08 end 11/28/08	
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	☐	✔	1	grab	2540D	4000	6,000			
2. Total Residual Chlorine	✔	☐	1	grab	4500C	50	<50			
3. Total Petroleum Hydrocarbons	✔	☐	1	grab	1664	4,100	<4100			
4. Cyanide	✔	☐	1	grab	335.4	10	<10			
5. Benzene	☐	✔	1	grab	8260B	0.5	12.7			
6. Toluene	✔	☐	1	grab	8260B	1.0	<1.0			
7. Ethylbenzene	☐	✔	1	grab	8260B	1.0	1.8			
8. (m,p,o) Xylenes	☐	✔	1	grab	8260B	2.0	8.2			
9. Total BTEX[4]	☐	✔	1	grab	8260B	---	19.7			

[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	8260B	2.0	<2.0			
11. Methyl-tert-Butyl Ether (MtBE)		✔	1	grab	8260B	1.0	1.7			
12. tert-Butyl Alcohol (TBA)	✔		1	grab	8260B	20	<20			
13. tert-Amyl Methyl Ether (TAME)		✔	1	grab	8260B	2.0	3.8			
14. Naphthalene	✔		1	grab	8260B	5	<5.0			
15. Carbon Tetra-chloride	✔		1	grab	8260B	1.0	<1.0			
16. 1,4 Dichlorobenzene	✔		1	grab	8260B	1.0	<1.0			
17. 1,2 Dichlorobenzene	✔		1	grab	8260B	1.0	<1.0			
18. 1,3 Dichlorobenzene	✔		1	grab	8260B	1.0	<1.0			
19. 1,1 Dichloroethane	✔		1	grab	8260B	1.0	<1.0			
20. 1,2 Dichloroethane	✔		1	grab	8260B	1.0	<1.0			
21. 1,1 Dichloroethylene	✔		1	grab	8260B	1.0	<1.0			
22. cis-1,2 Dichloro-ethylene	✔		1	grab	8260B	1.0	<1.0			
23. Dichloromethane (Methylene Chloride)	✔		1	grab	8260B	2.0	<2.0			
24. Tetrachloroethylene	✔		1	grab	8260B	1.0	<1.0			

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	✔		1	grab	8260B	1.0	<1.0			
26. 1,1,2 Trichloroethane	✔		1	grab	8260B	1.0	<1.0			
27. Trichloroethylene	✔		1	grab	8260B	1.0	<1.0			
28. Vinyl Chloride	✔		1	grab	8260B	1.0	<1.0			
29. Acetone	✔		1	grab	8260B	5.0	<5.0			
30. 1,4 Dioxane	✔		1	grab	8260B	25	<25			
31. Total Phenols	✔		1	grab	8270C	5.3	<5.3			
32. Pentachlorophenol	✔		1	grab	8270C	11	<11			
33. Total Phthalates [5] (Phthalate esthers)	✔		1	grab	8270C	ND	ND			
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✔		1	grab	8270C	2.1	<2.1			
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✔		1	grab	8270C	---	---			
a. Benzo(a) Anthracene	✔		1	grab	8270C	0.05	<0.05			
b. Benzo(a) Pyrene	✔		1	grab	8270C	0.11	<0.11			
c. Benzo(b)Fluoranthene	✔		1	grab	8270C	0.05	<0.05			
d. Benzo(k) Fluoranthene	✔		1	grab	8270C	0.11	<0.11			
e. Chrysene	✔		1	grab	8270C	0.11	<0.11			

[5] The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
f. Dibenzo(a,h) anthracene	✔		1	grab	8270C	0.11	<0.11			
g. Indeno(1,2,3-cd) Pyrene	✔		1	grab	8270C	0.11	<0.11			
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	✔		1	grab	8270C	---	---			
h. Acenaphthene	✔		1	grab	8270C	0.11	<0.11			
i. Acenaphthylene	✔		1	grab	8270C	0.11	<0.11			
j. Anthracene	✔		1	grab	8270C	0.11	<0.11			
k. Benzo(ghi) Perylene	✔		1	grab	8270C	0.11	<0.11			
l. Fluoranthene	✔		1	grab	8270C	0.11	<0.11			
m. Fluorene		✔	1	grab	8270C	0.11	0.16			
n. Naphthalene-	✔		1	grab	8270C	0.11	<0.11			
o. Phenanthrene		✔	1	grab	8270C	0.05	0.21			
p. Pyrene	✔		1	grab	8270C	0.11	<0.11			
37. Total Polychlorinated Biphenyls (PCBs)	✔		1	grab	608	0.5	<0.5			
***3*8. Antimony**	✔		1	grab	200.7	6	<6.0			
39. Arsenic	✔		1	grab	200.7	10	<10			
40. Cadmium	✔		1	grab	200.7	4	<4.0			
41. Chromium III	✔		1	grab	200.7	10	<10			
42. Chromium VI	✔		1	grab	7196A	0.01	<0.01			

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	**mass** (kg)	**concentration** (ug/l)	**mass** (kg)
43. Copper	✔		1	grab	200.7	25	<25			
44. Lead	✔		1	grab	200.7	5.0	<5.0			
45. Mercury	✔		1	grab	245.1	0.2	<0.2			
46. Nickel	✔		1	grab	200.7	40	<40			
47. Selenium	✔		1	grab	200.7	10	<10			
48. Silver	✔		1	grab	200.7	5.0	<5.0			
49. Zinc		✔	1	grab	200.7	20	20.6			
50. Iron		✔	1	grab	200.7	100	17300			
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? Fe
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: Fe DF: 0	Look up the limit calculated at the corresponding dilution factor in **Appendix IV.** Do any of the metals in the **influent** have the potential to exceed the corresponding **effluent** limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y N ✔ If "Yes," list which metals:

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

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:

See attached schematic. Soil excavation as a remedial action under MA DEP RTN 2-11482 is proposed in the southeast corner of the Xtramart station with an estimate of 500 cubic yards of soil. Dewatering is proposed to lower the water table in this area enough to complete soil excavation activities. We anticipate dewatering for no more than 72 hours.

b) Identify each applicable treatment unit (check all that apply):	Frac. tank ✔	Air stripper ☐	Oil/water separator ☐	Equalization tanks ☐	Bag filter ✔	GAC filter ✔
	Chlorination ☐	Dechlorination ☐	Other (please describe):			

c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate**(s) (gallons per minute) of the treatment system:
Average flow rate of discharge 100 Maximum flow rate of treatment system 150 Design flow rate of treatment system 150

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

NA

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:

Storm drain/catch basin discharges to culverted Lebanon Brook along west side of property then to Quinebaug River

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 no inf cfs
Please attach any calculation sheets used to support stream flow and dilution calculations.

f) Is the receiving water a listed 303(d) water quality impaired or limited water? Yes ☐ No ✔ If yes, for which pollutant(s)?

Is there a TMDL? Yes ☐ No ✔ If yes, for which pollutant(s)?

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

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

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

7. Supplemental information. :

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

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility/Site Name: SOUTHBRIDGE XTRAMART

Operator signature: Thomas K Williamson

Title: President, Williamson Environmental LLC

Date: 10/3/08

SOUTHBRIDGE XTRAMART

President, Williamson Environmental LLC

B. Submission of NOI to EPA - All operators applying for coverage under this General Permit must submit a written Notice of Intent (NOI) to EPA. Signed and completed NOI forms and attachments must be submitted to EPA-NE at:

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

or electronically mailed to NPDES.Generalpermits@epa.gov,
or faxed to the EPA Office at 617-918-0505.

If filling out the suggested NOI form electronically on EPA's website, the signature page must be signed and faxed or mailed to EPA at the phone number or address listed in Section I.B. below.

1. Filing with the states - A copy of any NOI form filed with EPA-NE must also be filed with state agencies. The state agency may elect to develop a state specific form or other information requirements.

a) Discharges in Massachusetts - In addition to the NOI, permit applicants must submit copies of the State Application Form BRPWM 12, Request for General Permit coverage for the RGP. The application form and the Transmittal Form for Permit Application and Payment, may be obtained from the Massachusetts Department of Environmental Protection (MA DEP) website at www.state.ma.us/dep. Municipalities are fee-exempt, but should send a copy of the transmittal form to that address for project tracking purposes. All applicants should keep a copy of the transmittal form and a copy of the application package for their records.

1) A copy of the NOI, the transmittal form, a copy of the check, and Form BRPWM 12 should be sent to:

Massachusetts Department of Environmental Protection
Division of Watershed Management
627 Main Street, 2nd floor
Worcester, MA 01608

2) A copy of the transmittal form and the appropriate fee should be sent to:

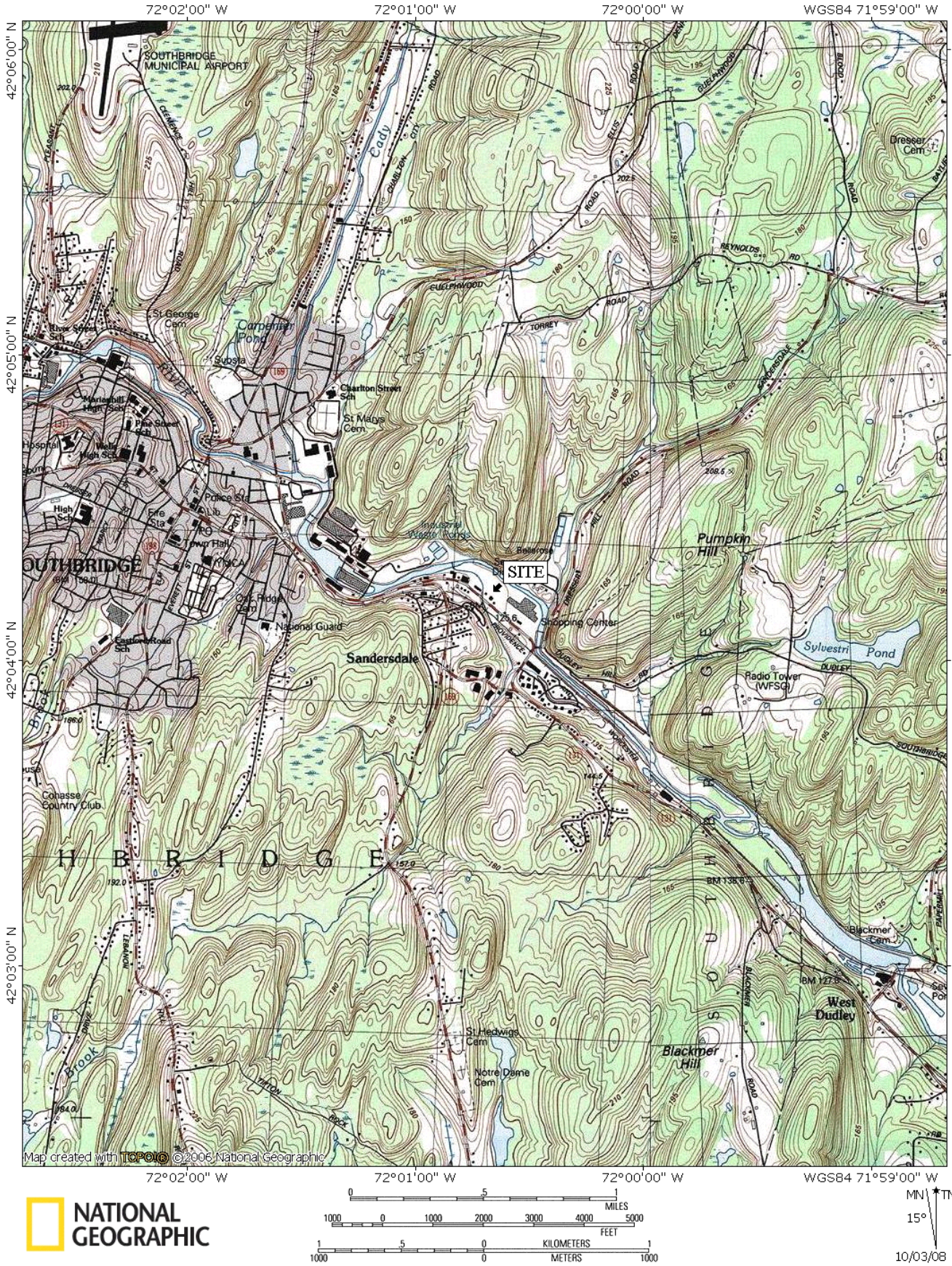
Massachusetts Department of Environmental Protection
P.O. Box 4062
Boston, MA 02111

Please note: Applicants for discharges in Massachusetts should note that under 310 CMR 40.000, *as a matter of state law*, the general permit only applies to discharges that are **not** subject to the Massachusetts Contingency Plan (MCP) and 310 CMR 40.000. Therefore, discharges subject to the MCP are **not** required to fill out and submit the State Application Form BRPWM 12 or pay the state fees. However, they must submit a NOI to EPA.

b) Discharges in New Hampshire - applicants must provide a copy of the Notice of Intent to:

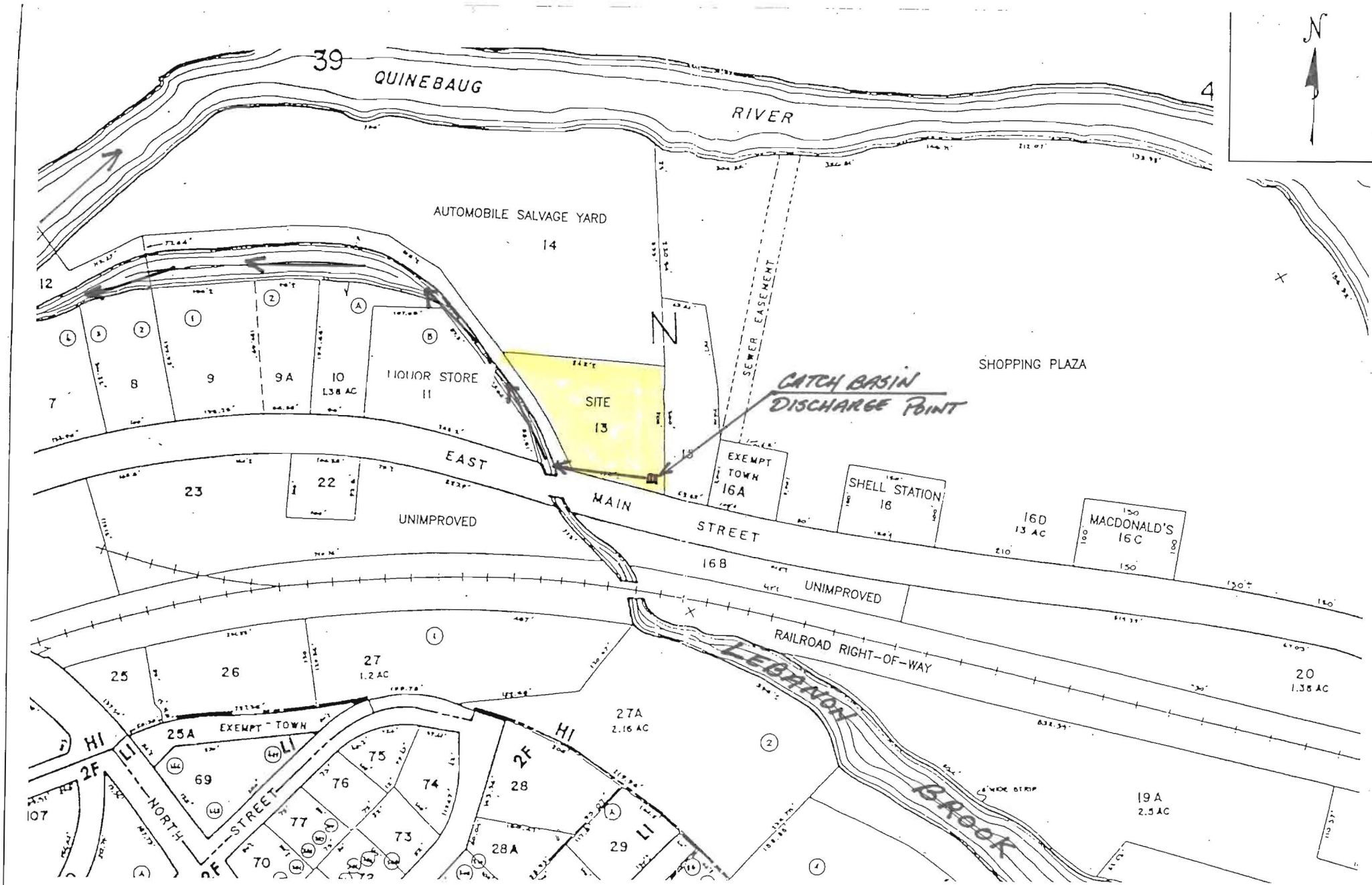
New Hampshire Department of Environmental Services
Water Division
Wastewater Engineering Bureau
P.O. Box 95
Concord, New Hampshire 03302-0095.

2. Filing with Municipalities - A copy of the NOI must be submitted to the municipality in which the proposed discharge would be located.



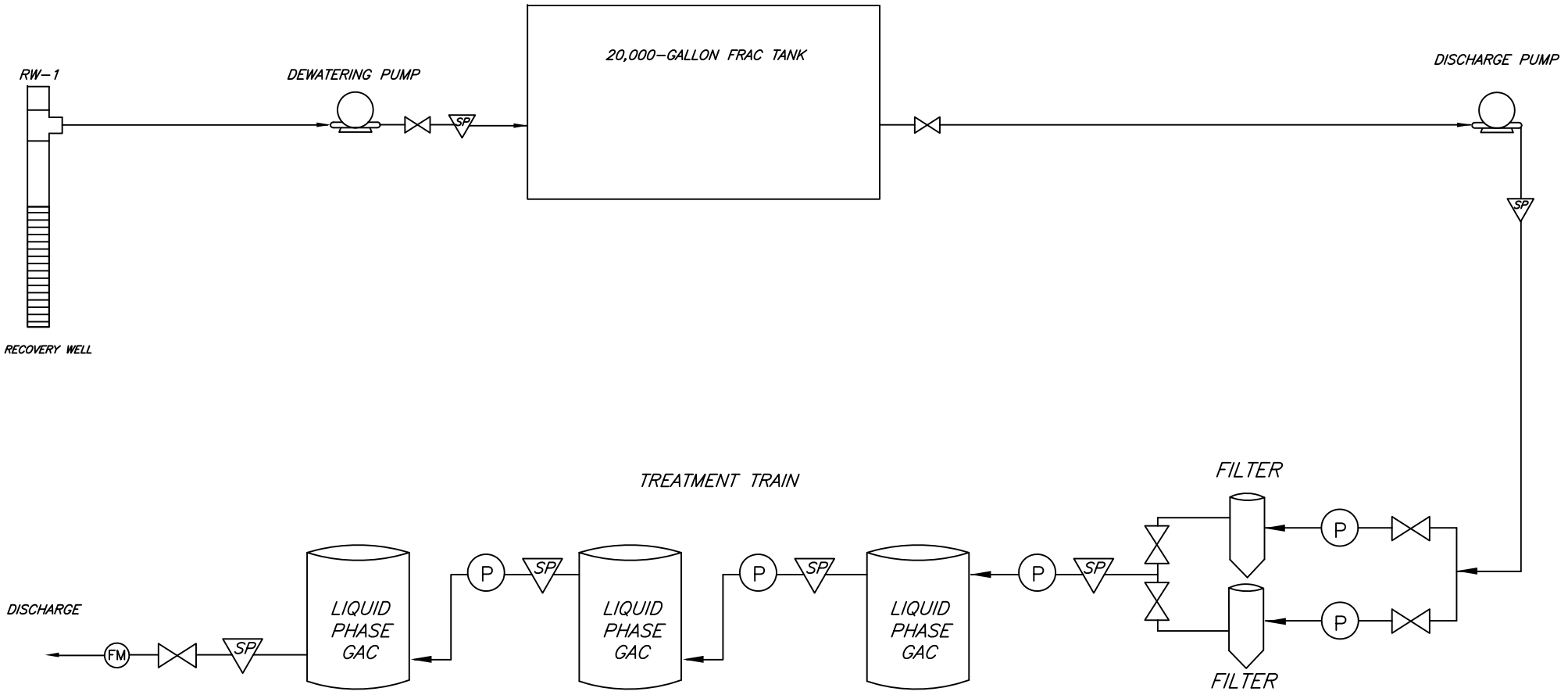
NATIONAL GEOGRAPHIC

FIGURE 1	PROPERTY 465 EAST MAIN STREET SOUTHBRIDGE, MASSACHUSETTS	Williamson Environmental LLC
SITE LOCUS		
SCALE: SEE ABOVE		



PORTION OF SOUTHBRIDGE ASSESSORS MAP 44

FIGURE 2	SURROUNDING LAND USE	SOUTHBRIDGE XTRA MART 465 EAST MAIN STREET SOUTHBRIDGE, MASSACHUSETTS	Williamson Environmental LLC
	REVISION DATE 10/3/08	SCALE IN FEET 1-inch = 200-feet	



LEGEND

- P — PRESSURE GAUGE
- FM — FLOW METER
- CONTROL VALVE
- SP — SAMPLE PORT
- FLOW DIRECTION

FIGURE 1	PROPOSED SYSTEM SCHEMATIC DIAGRAM		SOUTHBRIDGE XTRAMART 465 EAST MAIN STREET SOUTHBRIDGE, MASSACHUSETTS
	REVISION DATE 10/03/08	SCALE IN FEET NOT TO SCALE	Williamson Environmental LLC

Technical Report for

Drake Petroleum Co., Inc.

WILLEMA:Southbridge Xtramart Route 131-465 East Main Street Southbridge MA

PC# 007138

Accutest Job Number: M77151

Sampling Date: 09/18/08

Report to:

labdata@williamsonenv.com

ATTN: Distribution5

Total number of pages in report: **23**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136) CT (PH-0109) NH (2502) RI (00071) ME (MA0136) FL (E87579) NY (11791) NJ (MA926) PA (68-01121) NC (653) IL (200018) NAVY USACE

Test results relate only to samples analyzed.

Sections: 1 2 3 4

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Sample Summary

Drake Petroleum Co., Inc.

Job No: M77151

WILLEMA:Southbridge Xtramart Route 131-465 East Main Street Southbridge MA
Project No: PC# 007138

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
M77151-1	09/18/08	12:30	JI	09/18/08	AQ	Ground Water	SXM-RGP-1
M77151-1A	09/18/08	12:30	JI	09/18/08	AQ	Ground Water	SXM-RGP-1

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Drake Petroleum Co., Inc.	**Job No**	M77151
Site:	WILLEMA:Southbridge Xtramart Route 131-465 East Main Street So	**Report Date**	9/30/2008 9:13:38 AM

1 Sample was collected on 09/18/2008 and were received at Accutest on 09/18/2008 properly preserved, at 1.7 Deg. C and intact. These Samples received an Accutest job number of M77151. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix AQ **Batch ID:** MSN1140

- All samples were analyzed within the recommended method holding time.
- Sample(s) M77074-2MS, M77074-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- M77151-1: The pH of the sample aliquot for VOA analysis was >2 at time of analysis.
- Initial calibration standards in batch MSN1135 for 2-Butanone, Tetrachloroethene, Dibromochloromethane, 2-Hexanone, 1,1,2,2-Tetrachloroethane, Bromoform, p-isopropyltoluene, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene is employed quadratic regression.
- Continuing calibration check standard for Acetone, 2-Hexanone exceed 30% Difference. This check standard met MCP criteria.

Extractables by GCMS By Method SW846 8270C

Matrix AQ **Batch ID:** OP16853

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) M77277-14MS, M77277-14MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Duplicate Recovery(s) for 2,4-Dinitrotoluene, 2,6-Dinitrotoluene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MSD for 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 4,6-Dinitro-o-cresol, Hexachlorocyclopentadiene, Nitrobenzene are outside control limits for sample OP16853-MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.
- RPD for OP16853-BSD for 4-Chloroaniline, Benzidine, Diethyl phthalate, Dimethyl phthalate: Outside control limits. Associated samples are non-detect for this compound.
- BSD for Dimethyl phthalate is outside control limits. Refer to Blank Spike.
- Initial calibration standard (batch MSI1761) for bis(2-chloroisopropyl) ether were employed quadratic regression.
  Initial calibration verification standard MSI1761-ICV1761, file I56183 for Hexachlorocyclopentadiene, Benzidine exceed 35% Difference. In-house criteria met for ICV.
- Continuing calibration check standard MSI1780-CC1761 for n-Nitrosodimethylamine exceed exceed 30% Difference. This check standard met MCP criteria.

Extractables by GCMS By Method SW846 8270C BY SIM

Matrix AQ	Batch ID: OP16858

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M77240-8MS, M77240-8MSD were used as the QC samples indicated.
- RPD for OP16858-BSD for Pentachlorophenol: Outside control limits. Associated samples are non-detect for this compound.
- Only Pentachlorophenol and PAH requested.
- Initial calibration standard (batch MSF1810) for Pentachlorophenol are employed quadratic regression.

Extractables by GC By Method EPA 608

Matrix AQ	Batch ID: OP16844

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Metals By Method EPA 200.7

Matrix AQ	Batch ID: MP12482

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M76948-4DUP, M76948-4MS, M76948-4SDL were used as the QC samples for metals.
- RPD(s) for Duplicate for Arsenic, Iron, Lead are outside control limits for sample MP12482-D1. RPD acceptable due to low duplicate and sample concentrations.
- RPD(s) for Serial Dilution for Copper, Lead, Nickel are outside control limits for sample MP12482-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- Only selected metals requested.

Metals By Method EPA 245.1

Matrix AQ	Batch ID: MP12494

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M77151-1DUP, M77151-1MS were used as the QC samples for metals.

Wet Chemistry By Method EPA 1664

Matrix AQ	Batch ID: GP9603

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M77068-1MS, M77068-1MSD were used as the QC samples for Oil And Grease, Gravimetric.

Wet Chemistry By Method EPA 335.4

Matrix AQ	Batch ID: GP9615

- All samples were distilled within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M77181-7DUP, M77181-7MS were used as the QC samples for Cyanide.
- Matrix Spike Recovery(s) for Cyanide are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.Refer to spike blank.

Wet Chemistry By Method SM21 2540D

Matrix AQ	Batch ID: GN26973

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M77156-1DUP were used as the QC samples for Solids, Total Suspended.

Wet Chemistry By Method SM21 4500CL F

Matrix AQ	Batch ID: GN26946

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M77151-1DUP, M77151-1MS were used as the QC samples for Total Residual Chlorine.
- Matrix Spike Recovery(s) for Total Residual Chlorine are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.

Wet Chemistry By Method SW846 7196A

Matrix AQ	Batch ID: GN26947

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M77151-1DUP, M77151-1MS were used as the QC samples for Chromium, Hexavalent.
- GN26947-S1 for Chromium, Hexavalent: Spike recovery indicates possible matrix interference, Alkaline matrix Spike confirms the intereference.

Note: Compounds whose QC limits are outside MCP criteria are designated by the lab as "Difficult". QC criteria for a "Difficult" compound may meet Accutest in-house generated QC criteria but exceed MCP criteria (compounds exceeding Accutest QC criteria are flagged on the QC summary). Refer to the QC summary pages.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M77151).

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SXM-RGP-1		
Lab Sample ID:	M77151-1	**Date Sampled:**	09/18/08
Matrix:	AQ - Ground Water	**Date Received:**	09/18/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	WILLEMA:Southbridge Xtramart Route 131-465 East Main Street Southbridge MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	N30781.D	1	09/22/08	MC	n/a	n/a	MSN1140
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	12.7	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
108-20-3	Di-Isopropyl ether	ND	2.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SXM-RGP-1		
Lab Sample ID:	M77151-1	**Date Sampled:**	09/18/08
Matrix:	AQ - Ground Water	**Date Received:**	09/18/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	WILLEMA:Southbridge Xtramart Route 131-465 East Main Street Southbridge MA		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
123-91-1	1,4-Dioxane	ND	25	ug/l	
60-29-7	Ethyl Ether	ND	5.0	ug/l	
100-41-4	Ethylbenzene	1.8	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.7	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
994-05-8	tert-Amyl Methyl Ether	3.8	2.0	ug/l	
75-65-0	Tert Butyl Alcohol	ND	20	ug/l	
637-92-3	tert-Butyl Ethyl Ether	ND	2.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
109-99-9	Tetrahydrofuran	14.6	10	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
	m,p-Xylene	5.0	1.0	ug/l	
95-47-6	o-Xylene	3.3	1.0	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SXM-RGP-1		
Lab Sample ID:	M77151-1	**Date Sampled:**	09/18/08
Matrix:	AQ - Ground Water	**Date Received:**	09/18/08
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	WILLEMA:Southbridge Xtramart Route 131-465 East Main Street Southbridge MA		

VOA MCP List

CAS No.	Compound	Result	RL	Units	Q
1330-20-7	Xylene (total)	8.2	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		79-130%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	106%		80-120%

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SXM-RGP-1
Lab Sample ID: M77151-1 **Date Sampled:** 09/18/08
Matrix: AQ - Ground Water **Date Received:** 09/18/08
Method: SW846 8270C SW846 3510C **Percent Solids:** n/a
Project: WILLEMA:Southbridge Xtramart Route 131-465 East Main Street Southbridge MA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I56601.D	1	09/26/08	PN	09/25/08	OP16853	MSI1780
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	11	ug/l	
120-83-2	2,4-Dichlorophenol	ND	11	ug/l	
105-67-9	2,4-Dimethylphenol	ND	11	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	ug/l	
88-75-5	2-Nitrophenol	ND	11	ug/l	
100-02-7	4-Nitrophenol	ND	21	ug/l	
87-86-5	Pentachlorophenol	ND	11	ug/l	
108-95-2	Phenol	ND	5.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	11	ug/l	
83-32-9	Acenaphthene	ND	5.3	ug/l	
208-96-8	Acenaphthylene	ND	5.3	ug/l	
120-12-7	Anthracene	ND	5.3	ug/l	
92-87-5	Benzidine	ND	21	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.3	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.3	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.3	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.3	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.3	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.3	ug/l	
85-68-7	Butyl benzyl phthalate	7.4	5.3	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	ug/l	
106-47-8	4-Chloroaniline	ND	11	ug/l	
218-01-9	Chrysene	ND	5.3	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.3	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.3	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.3	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.3	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.3	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.3	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SXM-RGP-1		
Lab Sample ID:	M77151-1	**Date Sampled:**	09/18/08
Matrix:	AQ - Ground Water	**Date Received:**	09/18/08
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	WILLEMA:Southbridge Xtramart Route 131-465 East Main Street Southbridge MA		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.3	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	11	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	11	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.3	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.3	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.3	ug/l	
84-66-2	Diethyl phthalate	ND	5.3	ug/l	
131-11-3	Dimethyl phthalate	ND	5.3	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	ug/l	
206-44-0	Fluoranthene	ND	5.3	ug/l	
86-73-7	Fluorene	ND	5.3	ug/l	
118-74-1	Hexachlorobenzene	ND	5.3	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.3	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	ug/l	
67-72-1	Hexachloroethane	ND	5.3	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.3	ug/l	
78-59-1	Isophorone	ND	5.3	ug/l	
91-20-3	Naphthalene	ND	5.3	ug/l	
98-95-3	Nitrobenzene	ND	5.3	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.3	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.3	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	ug/l	
85-01-8	Phenanthrene	ND	5.3	ug/l	
129-00-0	Pyrene	ND	5.3	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		15-110%
4165-62-2	Phenol-d5	30%		15-110%
118-79-6	2,4,6-Tribromophenol	92%		15-110%
4165-60-0	Nitrobenzene-d5	89%		30-130%
321-60-8	2-Fluorobiphenyl	84%		30-120%
1718-51-0	Terphenyl-d14	63%		30-120%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SXM-RGP-1
Lab Sample ID: M77151-1 **Date Sampled:** 09/18/08
Matrix: AQ - Ground Water **Date Received:** 09/18/08
Method: EPA 608 EPA 608 **Percent Solids:** n/a
Project: WILLEMA:Southbridge Xtramart Route 131-465 East Main Street Southbridge MA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF64799.D	1	09/25/08	SL	09/24/08	OP16844	GEF3032
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	5.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		44-132%
877-09-8	Tetrachloro-m-xylene	91%		44-132%
2051-24-3	Decachlorobiphenyl	74%		12-151%
2051-24-3	Decachlorobiphenyl	109%		12-151%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SXM-RGP-1
Lab Sample ID: M77151-1 **Date Sampled:** 09/18/08
Matrix: AQ - Ground Water **Date Received:** 09/18/08
Percent Solids: n/a
Project: WILLEMA:Southbridge Xtramart Route 131-465 East Main Street Southbridge MA

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	09/18/08	09/19/08	PY	EPA 200.7 [1]	EPA 200.7 [3]
Arsenic	< 10	10	ug/l	1	09/18/08	09/19/08	PY	EPA 200.7 [1]	EPA 200.7 [3]
Cadmium	< 4.0	4.0	ug/l	1	09/18/08	09/19/08	PY	EPA 200.7 [1]	EPA 200.7 [3]
Chromium	< 10	10	ug/l	1	09/18/08	09/19/08	PY	EPA 200.7 [1]	EPA 200.7 [3]
Copper	< 25	25	ug/l	1	09/18/08	09/19/08	PY	EPA 200.7 [1]	EPA 200.7 [3]
Iron	17300	100	ug/l	1	09/18/08	09/19/08	PY	EPA 200.7 [1]	EPA 200.7 [3]
Lead	< 5.0	5.0	ug/l	1	09/18/08	09/19/08	PY	EPA 200.7 [1]	EPA 200.7 [3]
Mercury	< 0.20	0.20	ug/l	1	09/20/08	09/22/08	MA	EPA 245.1 [2]	EPA 245.1 [4]
Nickel	< 40	40	ug/l	1	09/18/08	09/19/08	PY	EPA 200.7 [1]	EPA 200.7 [3]
Selenium	< 10	10	ug/l	1	09/18/08	09/19/08	PY	EPA 200.7 [1]	EPA 200.7 [3]
Silver	< 5.0	5.0	ug/l	1	09/18/08	09/19/08	PY	EPA 200.7 [1]	EPA 200.7 [3]
Zinc	20.6	20	ug/l	1	09/18/08	09/19/08	PY	EPA 200.7 [1]	EPA 200.7 [3]

(1) Instrument QC Batch: MA9703
(2) Instrument QC Batch: MA9708
(3) Prep QC Batch: MP12482
(4) Prep QC Batch: MP12494

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SXM-RGP-1		
Lab Sample ID:	M77151-1	**Date Sampled:**	09/18/08
Matrix:	AQ - Ground Water	**Date Received:**	09/18/08
		Percent Solids:	n/a
Project:	WILLEMA:Southbridge Xtramart Route 131-465 East Main Street Southbridge MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	09/18/08 18:30	MA	SW846 7196A
Cyanide	< 0.010	0.010	mg/l	1	09/23/08 15:37	MA	EPA 335.4
Oil And Grease, Gravimetric	< 4.1	4.1	mg/l	1	09/19/08	BF	EPA 1664
Solids, Total Suspended	6.0	4.0	mg/l	1	09/22/08	BF	SM21 2540D
Total Residual Chlorine	< 0.050	0.050	mg/l	1	09/18/08 17:10	MA	SM21 4500CL F

RL = Reporting Limit

Report of Analysis

Client Sample ID: SXM-RGP-1
Lab Sample ID: M77151-1A **Date Sampled:** 09/18/08
Matrix: AQ - Ground Water **Date Received:** 09/18/08
Method: SW846 8270C BY SIM SW846 3510C **Percent Solids:** n/a
Project: WILLEMA:Southbridge Xtramart Route 131-465 East Main Street Southbridge MA

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F38001.D	1	09/26/08	PN	09/25/08	OP16858	MSF1819
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	Units	Q
87-86-5	Pentachlorophenol	ND	1.1	ug/l	
83-32-9	Acenaphthene	ND	0.11	ug/l	
208-96-8	Acenaphthylene	ND	0.11	ug/l	
120-12-7	Anthracene	ND	0.11	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.053	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.11	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.053	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.11	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.11	ug/l	
218-01-9	Chrysene	ND	0.11	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.11	ug/l	
206-44-0	Fluoranthene	ND	0.11	ug/l	
86-73-7	Fluorene	0.16	0.11	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.11	ug/l	
91-57-6	2-Methylnaphthalene	0.45	0.21	ug/l	
91-20-3	Naphthalene	ND	0.11	ug/l	
85-01-8	Phenanthrene	0.21	0.053	ug/l	
129-00-0	Pyrene	ND	0.11	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%		10-110%
4165-62-2	Phenol-d5	27%		10-110%
118-79-6	2,4,6-Tribromophenol	96%		10-141%
4165-60-0	Nitrobenzene-d5	79%		30-130%
321-60-8	2-Fluorobiphenyl	74%		30-130%
1718-51-0	Terphenyl-d14	64%		30-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- MCP Form

ACCUTEST Laboratories

CHAIN OF CUSTODY

[redacted]
495 TECHNOLOGY CENTER WEST
BUILDING ONE
MARLBORO, MA 01752 508/481-6200

Page 1 of 1
Accutest Job # M77151

Client / Reporting Information

Company Name: DRAKE PETROLEUM CO., INC.
Address: 221 QUINEBAUG ROAD
City: N. GROSVENORDALE State: CT Zip: 06255
Project Contact: ART HURLEY
Sampler: WILLIAMSON ENVIRONMENTAL LLC
Phone: 978/862-0110

Project Information

Project Name: SOUTHBRIDGE XTRAMART
Drake PC No.: 7138
Address: 465 E MAIN STREET
City: SOUTHBRIDGE State: MA
Project Locus: RGP PERMIT

ANALYSIS REQUESTED

Accutest Sample #	Field ID / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	Number of Preserved Bottles: HCl	HNO3	H2SO4	NaOH	NaHSO4	MeOH	Cool	TSS 160.2/TRC330.4/Hexavalent Chromium 7196A	TPH (1664)	CN 335.3	8260 + Oxygenates, Dioxane, EDB	8270	PCB 608	Metals 200.7 Sb,As,Cd,Cr,Cu,Fe,Pb,Ni,Se,Ag,Zn	Mercury 245.1	LAB USE ONLY
-1	SXM RGP-1	9-10-08	1230	JI	GW	14	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	

Matrix Codes
DW- Drinking Water
GW- Ground Water
WW- Water
SW- Surface Water
SC- Soil
SL- Sludge
OI- Oil
LIQ- Other Liquid
AIR- Air
SOL- Other Solid
WP- Wipe

Turnaround Time (Business days)
- Std. 14 Business Days
- 10 Day *RUSH*
- 5 Day *RUSH* (X)
- 3 Day *EMERGENCY*
- 2 Day *EMERGENCY*
- 1 Day *EMERGENCY*
- Other

Approved by: RUSH

Data Deliverable Information
- STD (X)
- MCP CAM

All field QC requirements were met as per MADEP CAM Section 2.0

Initials of sampler

Comments / Remarks

ANALYSES REQUIRED BY THE US EPA RGP

EMAIL RESULTS TO LABDATA@WILLIAMSONENV.COM

Loc 4E, 5E, 12A, 17C, 3FC

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		9/18/08 1345	1 ~~SECURE REFRIGERATOR~~	2		2
2	Relinquished by:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3			3	4		4
4	Relinquished by:	Date Time:	Received By:	Preserved where applicable ☐	On Ice ✓	Cooler Temp. 1.7a
5			5			

M77151: Chain of Custody
Page 1 of 5

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2008

M-MA136 ACCUTEST LABORATORIES OF NEW ENGLAND
MARLBOROUGH MA

NON POTABLE WATER (CHEMISTRY) **Effective Date** 01 JUL 2008 **Expiration Date** 30 JUN 2009

Analytes	Methods
ALUMINUM	EPA 200.7
ANTIMONY	EPA 200.7
ARSENIC	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COBALT	EPA 200.7
COPPER	EPA 200.7
IRON	EPA 200.7
LEAD	EPA 200.7
MANGANESE	EPA 200.7
MERCURY	EPA 245.1
MOLYBDENUM	EPA 200.7
NICKEL	EPA 200.7
SELENIUM	EPA 200.7
SILVER	EPA 200.7
STRONTIUM	EPA 200.7
THALLIUM	EPA 200.7
VANADIUM	EPA 200.7
ZINC	EPA 200.7
PH	SM 4500-H-B
SPECIFIC CONDUCTIVITY	EPA 120.1
TOTAL DISSOLVED SOLIDS	SM 2540C
HARDNESS (CACO3), TOTAL	SM 2340B
HARDNESS (CACO3), TOTAL	SM 2340C
CALCIUM	EPA 200.7
MAGNESIUM	EPA 200.7
SODIUM	EPA 200.7
POTASSIUM	EPA 200.7
ALKALINITY, TOTAL	SM 2320B
CHLORIDE	SM 4500-CL-C
FLUORIDE	SM 4500-F-B,C
SULFATE	ASTM D516
AMMONIA-N	SM18-B,C-NES
NITRATE-N	EPA 353.2
KJELDAHL-N	EPA 351.2
ORTHOPHOSPHATE	EPA 365.3
ORTHOPHOSPHATE	SM 4500-P-E
PHOSPHORUS, TOTAL	EPA 365.4
CHEMICAL OXYGEN DEMAND	SM 5220C
BIOCHEMICAL OXYGEN DEMAND	SM 5210B
TOTAL ORGANIC CARBON	SM 5310B
CYANIDE, TOTAL	EPA 335.4

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2008

M-MA136 ACCUTEST LABORATORIES OF NEW ENGLAND
MARLBOROUGH MA

NON POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2008 Expiration Date 30 JUN 2009

Analytes	Methods
NON-FILTERABLE RESIDUE	SM 2540D
CHLORINE, TOTAL RESIDUAL	SM 4500-CL-F
OIL AND GREASE	EPA 1664
PHENOLICS, TOTAL	EPA 420.1
VOLATILE HALOCARBONS	EPA 624
VOLATILE AROMATICS	EPA 602
VOLATILE AROMATICS	EPA 624
CHLORDANE	EPA 608
ALDRIN	EPA 608
DIELDRIN	EPA 608
DDD	EPA 608
DDE	EPA 608
DDT	EPA 608
HEPTACHLOR	EPA 608
HEPTACHLOR EPOXIDE	EPA 608
POLYCHLORINATED BIPHENYLS (WATER)	EPA 600/4-81-045
POLYCHLORINATED BIPHENYLS (OIL)	

POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2008 Expiration Date 30 JUN 2009

Analytes	Methods
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
MERCURY	EPA 245.1
NICKEL	EPA 200.7
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	SM 4500-F-C
SODIUM	EPA 200.7
SULFATE	SM 4500-SO4-C
CYANIDE, TOTAL	EPA 335.4
TURBIDITY	EPA 180.1
CHLORINE, RESIDUAL FREE	SM 4500-CL-F
CALCIUM	EPA 200.7
ALKALINITY, TOTAL	SM 2320B
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
PH	SM 4500-H-B
2,4-D	EPA 515.1
2,4,5-TP	EPA 515.1

June 25, 2008

*= Provisional Certification

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2008

M-MA136 ACCUTEST LABORATORIES OF NEW ENGLAND
MARLBOROUGH MA

POTABLE WATER (CHEMISTRY) **Effective Date** 01 JUL 2008 **Expiration Date** 30 JUN 2009

Analytes	Methods
TRIHALOMETHANES	EPA 524.2
VOLATILE ORGANIC COMPOUNDS	EPA 524.2
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2008

M-MA136 ACCUTEST LABORATORIES OF NEW ENGLAND
MARLBOROUGH MA

POTABLE WATER (MICROBIOLOGY) Effective Date 01 JUL 2008 Expiration Date 30 JUN 2009

Analytes		Methods
TOTAL COLIFORM	WATER TREATMENT AND DISTRIBUTION (P/A)	ENZ. SUB. SM9223
E. COLI	WATER TREATMENT AND DISTRIBUTION (P/A)	ENZ. SUB. SM9223

June 25, 2008

*= Provisional Certification

M77151: Chain of Custody
Page 5 of 5

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Accutest Laboratories of New England	Project #:	M77151
Project Location:	WILLEMA:Southbridge Xtramart Route 131-465 East Main Street Southbridge MA	MADEP RTN [1]	None

This form provides certifications for the following data set:
M77151-1,M77151-1A

Test method: Refer to case narrative.

Sample Matrices: Groundwater X Soil/Sediment ( ) Drinking Water ( ) Other: ( ) ( )

MCP SW-846 Methods Used	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M [2] ( )
As specified in MADEP Compendium of Analytical Methods. (Check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S [3] ( )	7196A (X)

1 List Release Tracking Number (RTN), if known
2 M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S - SW-846 Methods 7000 Series List Individual method and analyte

An affirmative response to questions A, B, C, and D is required for "Presumptive Certainty status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☑	Yes	☐ No [1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☑	Yes	☐ No [1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☑	Yes	☐ No [1]
D	**VPH and EPH methods only:** Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	☑	Yes	☐ No [1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	☐ **Refer to Narrative**	Yes	☑ No [1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ **Refer to Narrative**	Yes	☑ No [1]

[1] ***All Negative responses must be addressed in an attached Environmental Laboratory case narrative.***

I the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** **Laboratory Director**

Printed Name: **Reza Tand** **Date:** **09/30/2008**