



14 Monument Square, Suite 303 Leominster, MA 01453 • 978-840-2500 • Fax: 978-840-8901

December 22, 2005

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)
FMR Millbury Street Mobil
Rte 146 – 687 Millbury Street
Worcester, MA 01607

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

A handwritten signature in blue ink, appearing to read 'Thomas Williamson, Jr.', is written over a light blue rectangular background.

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:

a) Name of facility/site : FMR Millbury Street Mobil		Facility/site address:	
Location of facility/site : longitude: <u>71:47</u> latitude: <u>42:14</u>	Facility SIC code(s): 5541	Street: Rte 146 - 687 Millbury Street	
b) Name of facility/site owner : Drake Petroleum Co., Inc.		Town: Worcester	
Email address of owner:	State: MA	Zip: 01607	County: Worcester
Telephone no. of facility/site owner: (860) 935-5200			
Fax no. of facility/site owner:		Owner is (check one): 1. Federal _____ 2. State/Tribal _____ 3. Private ☒ 4. other, if so, describe:	
Address of owner (if different from site):			
Street: 221 Quinebaug Road			
Town: N. Grosvenordale	State: CT	Zip: 06255	County:
c) Legal name of operator : Williamson Environmental LLC	Operator telephone no: (978) 840-2500		
	Operator fax no.: (978) 840-8901		Operator email: heidir@williamsonenv.com
Operator contact name and title: Thomas Williamson, Jr. LSP			

Address of operator (if different from owner):		Street: 14 Monument Square, Suite 303	
Town: Leominster	State: MA	Zip: 01453	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 2-15834 2. permit or license # assigned: 3. state agency contact information: name, location, and telephone number: MA DEP BWSC-CERO Worcester, MA 508/792-7621		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 site reconstruction at a retail gasoline station.		
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 <u>0.11</u> Average flow <u>0.04</u> 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. <u>71:47</u> lat. <u>42:14</u> ; 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 01/15/06 end 06/15/06	
d) Please attach a line drawing or flow schematic showing water flow through the facility including: 1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).	

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for all of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provided the data was analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge falls within.

Gasoline Only	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
Fuel Oils (and Other Oils) only	VOC with Other Contaminants	Petroleum with Other Contaminants	Listed Contaminated Sites	Contaminated Dredge Condensates	Hydrostatic Testing of Pipelines/Tanks	Well Development or Rehabilitation

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids		✓	1	grab	160.2	20,000	88900			
2. Total Residual Chlorine	✓		1	grab	330.4	50	<50			
3. Total Petroleum Hydrocarbons	✓		1	grab	1664	4,100	<4,10			
4. Cyanide	✓		1	grab	335.3	10	<10			
5. Benzene		✓	1	grab	8260B	0.5	7			
6. Toluene		✓	1	grab	8260B	1.0	12			
7. Ethylbenzene		✓	1	grab	8260B	1.0	1			
8. (m,p,o) Xylenes		✓	1	grab	8260B	1.0	120			
9. Total BTEX ⁴		✓	1	grab	8260B	---	140			

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide (1,2- Dibromo-methane)	✓		1	grab	504	0.015	<0.02			
11. Methyl-tert-Butyl Ether (MtBE)		✓	1	grab	8260B	1.0	288			
12. tert-Butyl Alcohol (TBA)		✓	1	grab	8260B	100	217			
13. tert-Amyl Methyl Ether (TAME)		✓	1	grab	8260B	2.0	44			
14. Naphthalene		✓	1	grab	8260B	5.0	9			
15. Carbon Tetra-chloride	✓		1	grab	8260B	1.0	<1			
16. 1,4 Dichlorobenzene	✓		1	grab	8260B	1.0	<1			
17. 1,2 Dichlorobenzene	✓		1	grab	8260B	1.0	<1			
18. 1,3 Dichlorobenzene	✓		1	grab	8260B	1.0	<1			
19. 1,1 Dichloroethane	✓		1	grab	8260B	1.0	<1			
20. 1,2 Dichloroethane	✓		1	grab	8260B	1.0	<1			
21. 1,1 Dichloroethylene	✓		1	grab	8260B	1.0	<1			
22. cis-1,2 Dichloro-ethylene	✓		1	grab	8260B	1.0	<1			
23. Dichloromethane (Methylene Chloride)	✓		1	grab	8260B	2.0	<2			
24. Tetrachloroethylene	✓		1	grab	8260B	1.0	<1			

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	✓		1	grab	8260B	1.0	<1			
26. 1,1,2 Trichloroethane	✓		1	grab	8260B	1.0	<1			
27. Trichloroethylene	✓		1	grab	8260B	1.0	<1			
28. Vinyl Chloride	✓		1	grab	8260B	1.0	<1			
29. Acetone	✓		1	grab	8260B	5.0	<5			
30. 1,4 Dioxane	✓		1	grab	8260B	25	<25			
31. Total Phenols	✓		1	grab		---	---			
32. Pentachlorophenol	✓		1	grab	8270C	10	<10			
33. Total Phthalates ⁵ (Phthalate esthers)	✓		1	grab	8270C	---	---			
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	grab	8270C	10	<10			
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	grab	8270C	---	---			
a. Benzo(a) Anthracene	✓		1	grab	8270C	5	<5			
b. Benzo(a) Pyrene	✓		1	grab	8270C	5	<5			
c. Benzo(b) Fluoranthene	✓		1	grab	8270C	5	<5			
d. Benzo(k) Fluoranthene	✓		1	grab	8270C	5	<5			
e. Chrysene	✓		1	grab	8270C	5	<5			

⁵The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
f. Dibenzo(a,h) anthracene	✓		1	grab	8270C	5	<5			
g. Indeno(1,2,3-cd) Pyrene	✓		1	grab	8270C	5	<5			
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	grab	8270C	---	---			
h. Acenaphthene	✓		1	grab	8270C	5	<5			
i. Acenaphthylene	✓		1	grab	8270C	5	<5			
j. Anthracene	✓		1	grab	8270C	5	<5			
k. Benzo(ghi) Perylene	✓		1	grab	8270C	5	<5			
l. Fluoranthene	✓		1	grab	8270C	5	<5			
m. Fluorene	✓		1	grab	8270C	5	<5			
n. Naphthalene-	✓		1	grab	8270C	5	<5			
o. Phenanthrene	✓		1	grab	8270C	5	<5			
p. Pyrene	✓		1	grab	8270C	5	<5			
37. Total Polychlorinated Biphenyls (PCBs)	✓		1	grab	608	0.53	<0.5			
38. Antimony	✓		1	grab	200.7	6.0	<6			
39. Arsenic		✓	1	grab	200.7	5.0	441			
40. Cadmium	✓		1	grab	200.7	8.0	<8			
41. Chromium III		✓	1	grab	200.7	10.0	993			
42. Chromium VI	✓		1	grab	7196A	10	<10			

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		✓	1	grab	200.7	25	236			
44. Lead		✓	1	grab	200.7	5	131			
45. Mercury	✓		1	grab	245.1	0.20	<0.2			
46. Nickel		✓	1	grab	200.7	40	331			
47. Selenium	✓		1	grab	200.7	10	<10			
48. Silver	✓		1	grab	200.7	10	<10			
49. Zinc		✓	1	grab	200.7	20	755			
50. Iron		✓	1	grab	200.7	100	309K			
Other (describe):										

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

<i>Step 1:</i> Do any of the metals in the influent have a reasonable potential to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y ☒ N ☐	If yes, which metals? As, CrIII, Cu, Pb, Ni, Zn, Fe
<i>Step 2:</i> For any metals which have reasonable potential to exceed the Appendix III limits, calculate the dilution factor (DF) using the formula in Part I.A.3.c) (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metals: _____ DF: _____	Look up the limit calculated at the corresponding dilution factor in Appendix IV. Do any of the metals in the influent have the potential to exceed the corresponding effluent limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y ☐ N ☐ If "Yes," list which metals:

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

a) A description of the treatment system, including a schematic of the proposed or existing treatment system: see attached schematic						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank ✓	Air stripper	Oil/water separator	Equalization tanks	Bag filter ✓	GAC filter ✓
	Chlorination	Dechlorination	Other (please describe):			
c) Proposed average and maximum flow rates (gallons per minute) for the discharge and the design flow rate(s) (gallons per minute) of the treatment system: Average flow rate of discharge <u>20</u> Maximum flow rate of treatment system <u>50</u> Design flow rate of treatment system <u>50</u>						
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: The catch basin at intersection of Millbury Street and Burton Street ultimately discharges to the Middle Blackstone 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 _____ 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?

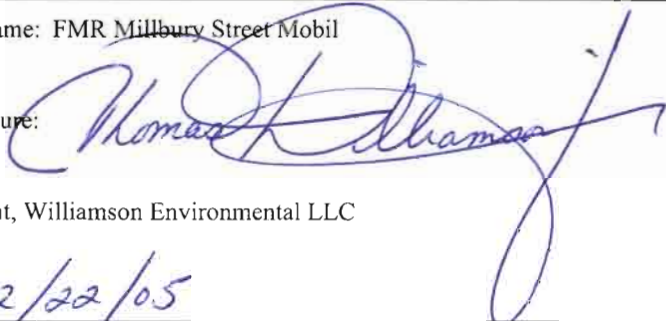
b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?
 Yes _____ No ✓ Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)?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

7. Supplemental information. :

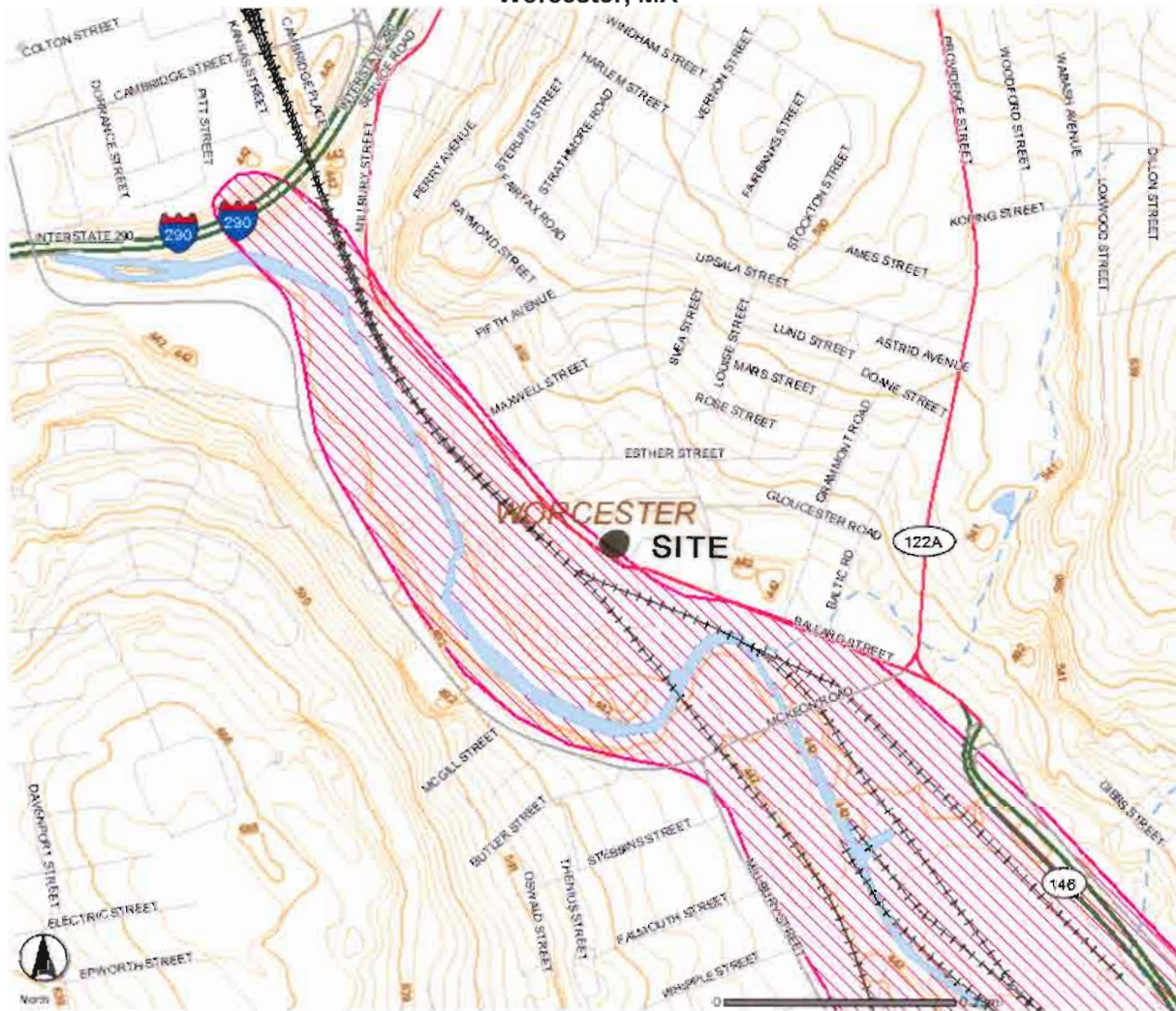
Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

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:

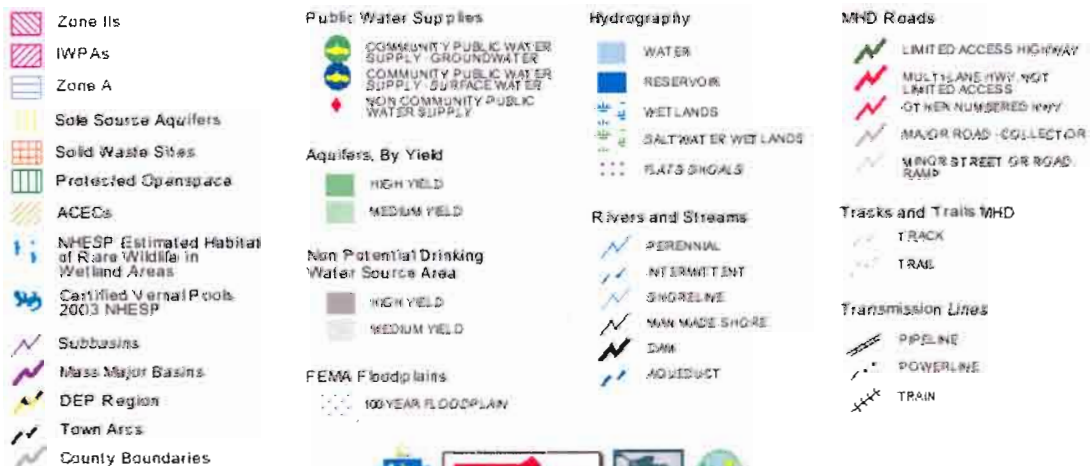
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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:	FMR Millbury Street Mobil
Operator signature:	
Title:	President, Williamson Environmental LLC
Date:	12/22/05

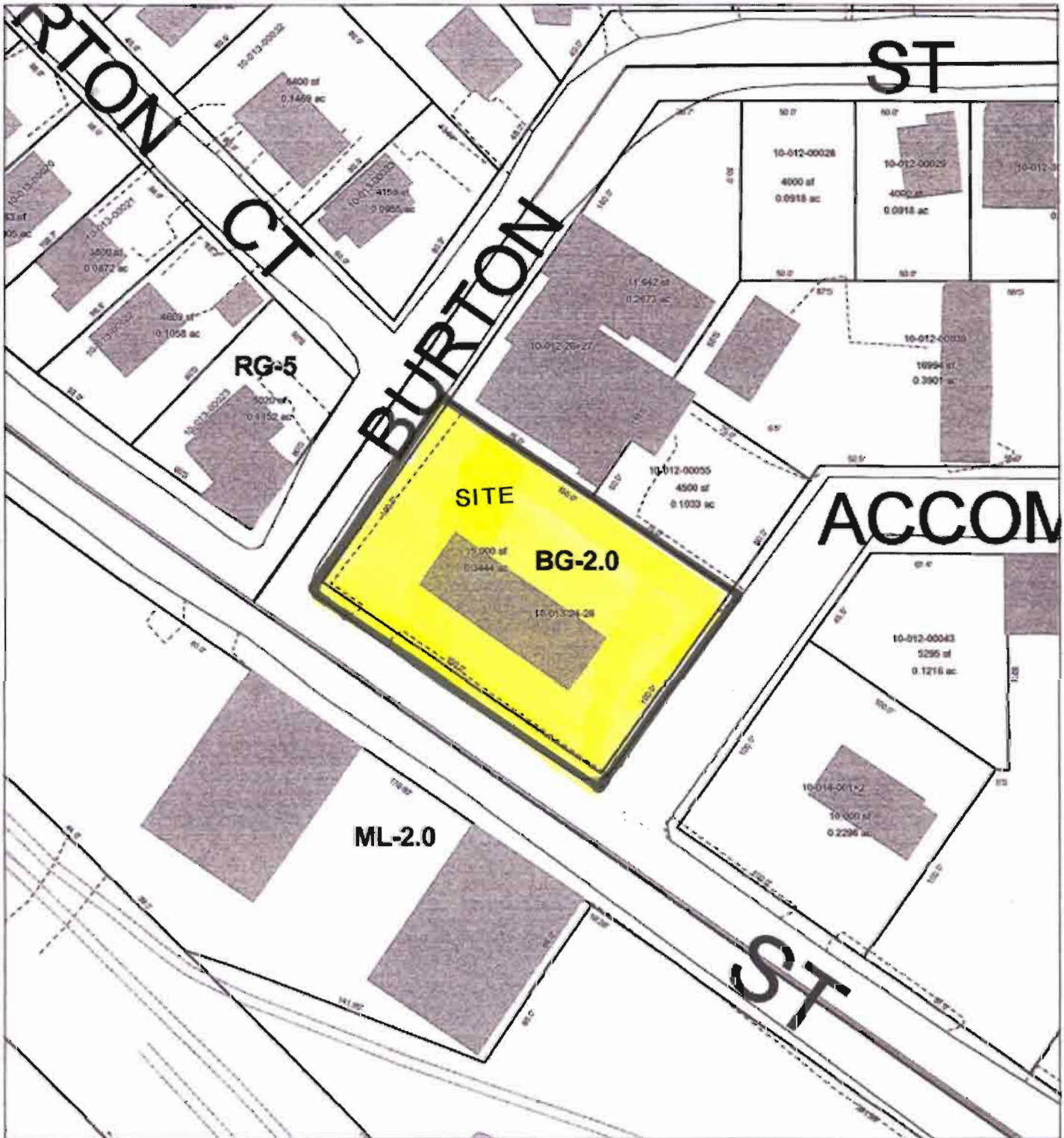
MASSACHUSETTS GEOGRAPHIC INFORMATION SYSTEMS
PRIORITY RESOURCE MAP
Millbury Street Mobil
687 Millbury Street
Worcester, MA



DEP MCP 21e Map Legend



687 MILLBURY ST



Produced by:
The City of Worcester
Worcester, Massachusetts
Jul. 25, 2005



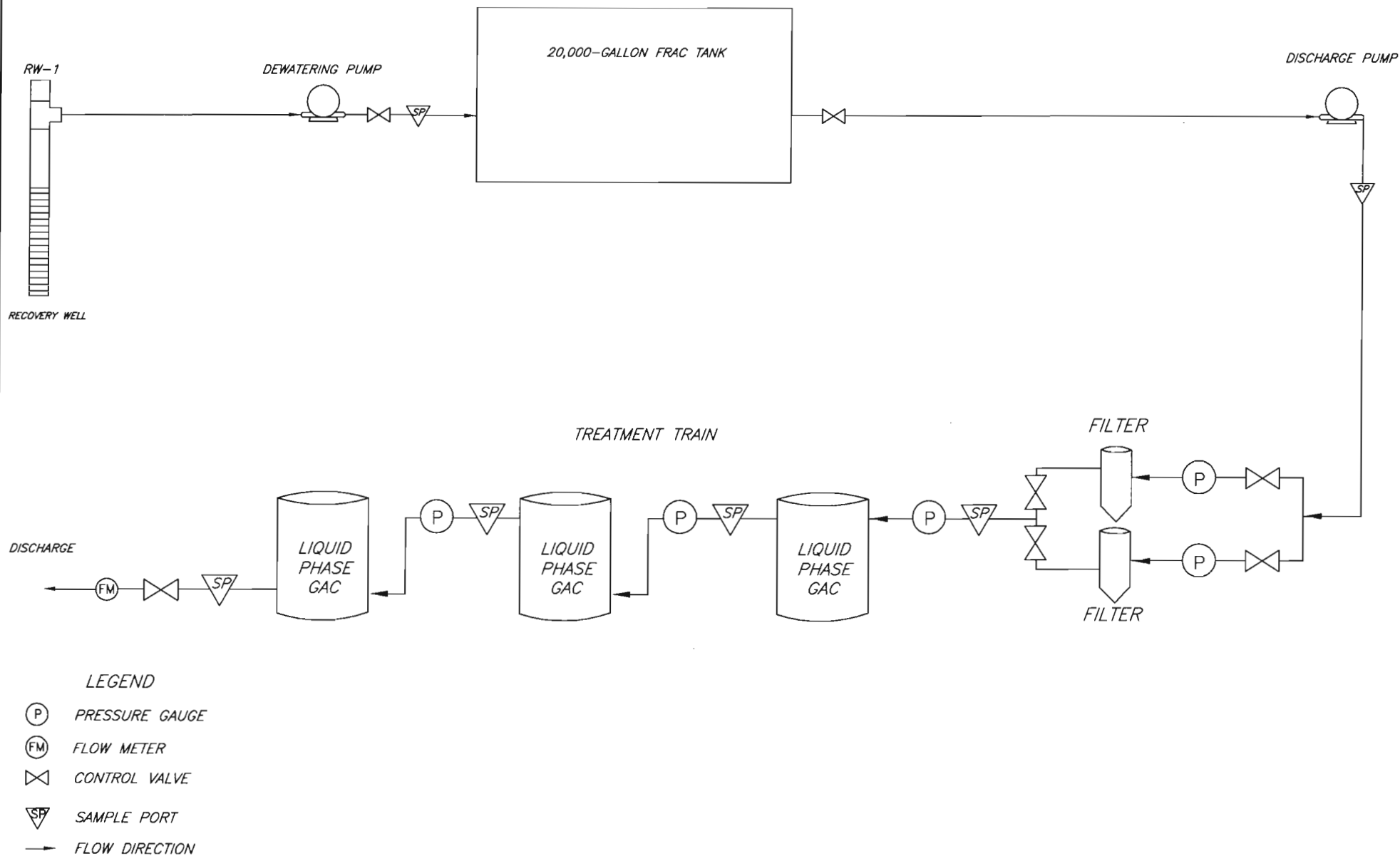


FIGURE 1

PROPOSED SYSTEM SCHEMATIC DIAGRAM

REVISION DATE
12/21/05

SCALE IN FEET
NOT TO SCALE

FMR MILLBURY STREET MOBIL
687 MILLBURY STREET
WORCESTER, MASSACHUSETTS



11/17/05

RECEIVED NOV 17 2005

Technical Report for

Xcel Environmental, Inc.

WILLEMA: Millbury Street Xtramart 687 Millbury St., Worcester MA

PC# 001290

Accutest Job Number: M52274

Sampling Date: 11/03/05

Report to:

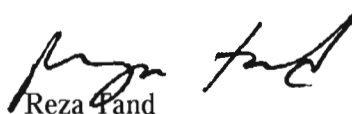
labdata@williamsonenv.com

ATTN: Distribution5

Total number of pages in report: 15



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 Fand
Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579)
NY (23346) NJ (MA926) NAVY USACE

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Sample Summary

Xcel Environmental, Inc.

Job No: M52274

WILLEMA: Millbury Street Xtramart 687 Millbury St., Worcester MA

Project No: PC# 001290

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
M52274-1	11/03/05	10:30 JR	11/03/05	AQ	Influent	INFLUENT
M52274-1A	11/03/05	10:30 JR	11/03/05	AQ	Influent	INFLUENT

Report of Analysis

Page 1 of 3

Client Sample ID:	INFLUENI	Date Sampled:	11/03/05
Lab Sample ID:	M52274-1	Date Received:	11/03/05
Matrix:	AQ - Influent	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	WILLEMA: Millbury Street Xtramart 687 Millbury St., Worcester MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	M6621 D	1	11/15/05	SC	n/a	n/a	MSM228
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	6.8	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	
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	
78-87-5	1,2-Dichloropropane	ND	2.0	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

Page 2 of 3

Client Sample ID:	INFLUENT	Date Sampled:	11/03/05
Lab Sample ID:	M52274-1	Date Received:	11/03/05
Matrix:	AQ - Influent	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	WILLEMA: Millbury Street Xtramart 687 Millbury St., Worcester MA		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
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	
100-41-4	Ethylbenzene	1.2	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	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	288	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	9.4	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	43.7	2.0	ug/l	
75-65-0	Tert Butyl Alcohol	217	100	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	
108-88-3	Toluene	12.2	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	20.0	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	17.2	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	120	1.0	ug/l	

ND = Not detected

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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

Page 3 of 3

Client Sample ID:	INFLUENT	Date Sampled:	11/03/05
Lab Sample ID:	M52274-1	Date Received:	11/03/05
Matrix:	AQ - Influent	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	WILLEMA: Millbury Street Xtramart 687 Millbury St , Worcester MA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		82-127%
2037-26-5	Toluene-D8	105%		88-112%
460-00-4	4-Bromofluorobenzene	97%		80-118%

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

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J = Indicates an estimated value
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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	INFLUENT	Date Sampled:	11/03/05
Lab Sample ID:	M52274-1	Date Received:	11/03/05
Matrix:	AQ - Influent	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	WILLEMA:Millbury Street Xtramart 687 Millbury St , Worcester MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E25472 D	1	11/11/05	PN	11/08/05	OP9988	MSE1310
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN PPL List

CAS No	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	10	ug/l	
108-95-2	Phenol	ND	5.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	
83-32-9	Acenaphthene	ND	5.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
92-87-5	Benzidine	ND	20	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	10	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	ug/l	
122-66-7	1,2-Diphenylhydrazine	ND	5.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	INFLUENT		
Lab Sample ID:	M52274-1	Date Sampled:	11/03/05
Matrix:	AQ - Influent	Date Received:	11/03/05
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	WILLEMA: Millbury Street Xtramart 687 Millbury St, Worcester MA		

ABN PPL List

CAS No.	Compound	Result	RL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	10	ug/l	
117-84-0	Di-n-octyl phthalate	ND	10	ug/l	
84-66-2	Diethyl phthalate	ND	10	ug/l	
131-11-3	Dimethyl phthalate	ND	10	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	10	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	
78-59-1	Isophorone	ND	5.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	ug/l	
62-75-9	n-Nitrosodimethylamine	ND	5.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		10-120%
4165-62-2	Phenol-d5	27%		10-120%
118-79-6	2,4,6-Tribromophenol	63%		31-123%
4165-60-0	Nitrobenzene-d5	80%		32-120%
321-60-8	2-Fluorobiphenyl	66%		32-120%
1718-51-0	Terphenyl-d14	66%		33-123%

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Report of Analysis

Page 1 of 1

Client Sample ID:	INFLUENT	Date Sampled:	11/03/05
Lab Sample ID:	M52274-1	Date Received:	11/03/05
Matrix:	AQ - Influent	Percent Solids:	n/a
Method:	EPA 504 EPA 504		
Project:	WILLEMA: Millbury Street Xtramart 687 Millbury St , Worcester MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BB2980.D	1	11/11/05	ME	11/10/05	OP10010	GBB141
Run #2							

Run #	Initial Volume	Final Volume
Run #1	33.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.015	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	Bromofluorobenzene (S)	121%		26-158%
460-00-4	Bromofluorobenzene (S)	115%		26-158%

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Report of Analysis

Page 1 of 1

Client Sample ID:	INFLUENT	Date Sampled:	11/03/05
Lab Sample ID:	M52274-1	Date Received:	11/03/05
Matrix:	AQ - Influent	Percent Solids:	n/a
Method:	EPA 608 EPA 608		
Project:	WILLEMA: Millbury Street Xtramart 687 Millbury St., Worcester MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ29801 D	1	11/07/05	CZ	11/04/05	OP9973	GYZ1232
Run #2							

Run #	Initial Volume	Final Volume
Run #1	950 ml	5 0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	0.53	ug/l	
11104-28-2	Aroclor 1221	ND	0.53	ug/l	
11141-16-5	Aroclor 1232	ND	0.53	ug/l	
53469-21-9	Aroclor 1242	ND	0.53	ug/l	
12672-29-6	Aroclor 1248	ND	0.53	ug/l	
11097-69-1	Aroclor 1254	ND	0.53	ug/l	
11096-82-5	Aroclor 1260	ND	0.53	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	81%		44-132%
877-09-8	Tetrachloro-m-xylene	82%		44-132%
2051-24-3	Decachlorobiphenyl	59%		12-151%
2051-24-3	Decachlorobiphenyl	61%		12-151%

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Report of Analysis

Page 1 of 1

Client Sample ID:	INFLUENT	Date Sampled:	11/03/05
Lab Sample ID:	M52274-1	Date Received:	11/03/05
Matrix:	AQ - Influent	Percent Solids:	n/a
Project:	WILLEMA: Millbury Street Xtramart 687 Millbury St., Worcester MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	11/03/05	11/04/05	LMN EPA 200.7 ¹	EPA 200.7 ³
Arsenic	441	5.0	ug/l	1	11/03/05	11/04/05	LMN EPA 200.7 ¹	EPA 200.7 ³
Cadmium ^a	< 8.0	8.0	ug/l	2	11/03/05	11/04/05	LMN EPA 200.7 ¹	EPA 200.7 ³
Chromium	993	10	ug/l	1	11/03/05	11/04/05	LMN EPA 200.7 ¹	EPA 200.7 ³
Copper	236	25	ug/l	1	11/03/05	11/04/05	LMN EPA 200.7 ¹	EPA 200.7 ³
Iron	309000	100	ug/l	1	11/03/05	11/04/05	LMN EPA 200.7 ¹	EPA 200.7 ³
Lead	131	5.0	ug/l	1	11/03/05	11/04/05	LMN EPA 200.7 ¹	EPA 200.7 ³
Mercury	< 0.20	0.20	ug/l	1	11/07/05	11/08/05	LMN EPA 245.1 ²	EPA 245.1 ⁴
Nickel	331	40	ug/l	1	11/03/05	11/04/05	LMN EPA 200.7 ¹	EPA 200.7 ³
Selenium	< 10	10	ug/l	1	11/03/05	11/04/05	LMN EPA 200.7 ¹	EPA 200.7 ³
Silver ^a	< 10	10	ug/l	2	11/03/05	11/04/05	LMN EPA 200.7 ¹	EPA 200.7 ³
Zinc	755	20	ug/l	1	11/03/05	11/04/05	LMN EPA 200.7 ¹	EPA 200.7 ³

(1) Instrument QC Batch: MA6428

(2) Instrument QC Batch: MA6431

(3) Prep QC Batch: MP7870

(4) Prep QC Batch: MP7880

(a) Elevated RL due to dilution required for matrix interference.

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	INFLUENT	Date Sampled:	11/03/05
Lab Sample ID:	M52274-1	Date Received:	11/03/05
Matrix:	AQ - Influent	Percent Solids:	n/a
Project:	WILLEMA: Millbury Street Xtramart 687 Millbury St., Worcester MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	11/03/05 02:58	MA	SW846 7196A
Cyanide	< 0.010	0.010	mg/l	1	11/04/05 11:55	MA	EPA 335.3
Oil And Grease, Gravimetric	< 4.1	4.1	mg/l	1	11/11/05	BF	EPA 1664
Solids, Total Suspended	8890	20	mg/l	5	11/03/05	BF	EPA 160.2
Total Residual Chlorine	< 0.050	0.050	mg/l	1	11/03/05 14:35	MA	EPA 330.4

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	INFLUENT	Date Sampled:	11/03/05
Lab Sample ID:	M52274-1A	Date Received:	11/03/05
Matrix:	AQ - Influent	Percent Solids:	n/a
Method:	SW846 8270C BY SIM SW846 3510C		
Project:	WILLIEMA: Millbury Street Xtramart 687 Millbury St , Worcester MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F17055.D	1	11/10/05	PN	11/08/05	OP9990	MSF911
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	Units	Q
87-86-5	Pentachlorophenol	ND	1.0	ug/l	
83-32-9	Acenaphthene	ND	0.10	ug/l	
208-96-8	Acenaphthylene	ND	0.10	ug/l	
120-12-7	Anthracene	ND	0.10	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.050	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.10	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.050	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.10	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.10	ug/l	
218-01-9	Chrysene	ND	0.10	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	ug/l	
206-44-0	Fluoranthene	ND	0.10	ug/l	
86-73-7	Fluorene	ND	0.10	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	ug/l	
91-57-6	2-Methylnaphthalene	0.46	0.20	ug/l	
91-20-3	Naphthalene	1.9	0.10	ug/l	
85-01-8	Phenanthrene	ND	0.10	ug/l	
129-00-0	Pyrene	ND	0.10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		10-120%
4165-62-2	Phenol-d5	27%		10-120%
118-79-6	2,4,6-Tribromophenol	86%		23-135%
4165-60-0	Nitrobenzene-d5	61%		30-120%
321-60-8	2-Fluorobiphenyl	72%		25-120%
1718-51-0	Terphenyl-d14	80%		24-132%

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

CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: M52274

ACCUTEST QUOTE #:

[illegible]

M52274: Chain of Custody

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