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:** Getty Station #30317		**Facility/site** address:		
Location of **facility/site:** longitude:_____ latitude:_____ 71° 09' 01" W 42° 17' 14" N	Facility SIC code(s):	Street: 1744 Centre Street		
b) Name of **facility/site owner:** Getty Petroleum Marketing, Inc.		Town: West Roxbury		
Email address of owner:		State: MA	Zip: 02132	County:
Telephone no.of facility/site **owner**: (516) 542-4900				
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: 1500 Hempstead Turnpike				
Town: East Meadow	State: NY	Zip: 11554	County:	
c) Legal name of **operator**: Tyree Organization, Ltd.	**Operator** telephone no: (508) 871-8300			
	Operator fax no.: (508) 871-8301	**Operator** email: bemery@tyreeorg.com		
Operator contact name and title: Steve Hebenstreit, Senior Technician				

Address of **operator** (if different from owner):	Street: 9 Otis Street		
Town: Westborough	State: MA	Zip: 01581	County:

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 3-25466 2. permit or license # assigned: NA 3. state agency contact information: name, location, and telephone number: Mr. Paul Giddings, DEP NERO, 978.694.3373	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:
Excavation de-watering activities for the purpose of installing underground storage tanks at a gasoline service 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 0.11 Average flow 0.04 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._____ lat._____; pt.2: long._____ lat._____; pt.3: long._____ lat._____; pt.4:long._____ lat._____; pt.5: long._____ lat._____; pt.6:long._____ lat._____; pt.7: long._____ lat._____; pt.8:long._____ lat._____; etc.

71° 5.47'W, 42° 21.15'N

4) If hydrostatic testing, total volume of the discharge (gals): N/A	5) Is the discharge intermittent ✓ or seasonal ____? Is discharge ongoing Yes ____ No ✓ ?
c) Expected dates of discharge (mm/dd/yy): start 03/13/06 end 03/17/06	
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 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 (g)	160.2	4.58ppm	0.032	1.16	0.032	1.16
2. Total Residual Chlorine	✓		1	g	Total	0				
3. Total Petroleum Hydrocarbons		✓	1	g	1664	3.05ppm	0.004	0.151	0.00415	0.151
4. Cyanide	✓		1	g	335.2	0.01ppm				
5. Benzene		✓	1	g	8260B	12ppb	4950	0.180	4950	0.180
6. Toluene		✓	1	g	624	280ppb	39900	1.452	39900	1.452
7. Ethylbenzene		✓	1	g	624	36ppb	3660	0.147	3660	0.147
8. (m,p,o) Xylenes		✓	1	g	624	61ppb	26140	0.951	26140	0.951
9. Total BTEX[4]		✓	1	g	624	389ppb	74650	2.717	74650	2.717

[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)										
11. Methyl-tert-Butyl Ether (MtBE)		✓	1	g	8260B	75ppb	19200	0.699	19200	0.699
12. tert-Butyl Alcohol (TBA)		✓	1	g	8260B	251ppb	3330	0.121	3330	0.121
13. tert-Amyl Methyl Ether (TAME)		✓	1	g	8260B	13ppb	82.7	0.003	82.7	0.003
14. Naphthalene		✓	1	g	8260B	17ppb	417	0.152	417	0.152
15. Carbon Tetra-chloride	✓		1	g	8260B	8.10ppb				
16. 1,4 Dichlorobenzene	✓		1	g	8260B	12.0ppb				
17. 1,2 Dichlorobenzene	✓		1	g	8260B	8.60ppb				
18. 1,3 Dichlorobenzene	✓		1	g	8260B	9.80ppb				
19. 1,1 Dichloroethane	✓		1	g	8260B	4.60ppb				
20. 1,2 Dichloroethane	✓		1	g	8260B	11.0ppb				
21. 1,1 Dichloroethylene										
22. cis-1,2 Dichloro-ethylene	✓		1	g	8260B	23.0ppb				
23. Dichloromethane (Methylene Chloride)										
24. Tetrachloroethylene	✓		1	g	8260B	16ppb				

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	g	8260B	11.0ppb				
26. 1,1,2 Trichloroethane	✓		1	g	8260B					
27. Trichloroethylene			1	g		10.0ppb				
28. Vinyl Chloride	✓		1	g	8260B	23.0ppb				
29. Acetone	✓		1	g	8260B	150ppb				
30. 1,4 Dioxane	✓		1	g	624	642ppb				
31. Total Phenols		✓	1	g	625	2.47ppb	5.17	0.0002	5.17	0.0002
32. Pentachlorophenol	✓		1	g	625	3.53ppb				
33. Total Phthalates [5] (Phthalate esthers)	✓		1	g	625	0.55ppb				
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	g	625	1.30ppb				
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)										
a. Benzo(a) Anthracene	✓		1	g	8270C	1.21ppb				
b. Benzo(a) Pyrene	✓		1	g	8270C	1.15ppb				
c. Benzo(b)Fluoranthene	✓		1	g	8270C	1.13ppb				
d. Benzo(k) Fluoranthene	✓		1	g	8270C	1.09ppb				
e. Chrysene	✓		1	g	8270C	1.14ppb				

[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	g	8270C	1.15ppb				
g. Indeno(1,2,3-cd) Pyrene	✓		1	g	8270C	1.15ppb				
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)			1	g	8270C					
h. Acenaphthene		✓	1	g	8270C	0.84ppb	1.05	0.00008	1.05	0.00008
i. Acenaphthylene	✓		1	g	8270C	0.91ppb				
j. Anthracene	✓		1	g	8270C	1.09ppb				
k. Benzo(ghi) Perylene	✓		1	g	8270C	1.21ppb				
l. Fluoranthene	✓		1	g	8270C	1.14ppb				
m. Fluorene		✓	1	g	8270C	1.14ppb	2.78	0.0001	2.78	0.0001
n. Naphthalene-		✓	1	g	8270C	7.90ppb	329	0.012	329	0.012
o. Phenanthrene		✓	1	g	8270C	0.99ppb	3.51	0.0001	3.51	0.0001
p. Pyrene	✓		1	g	8270C	1.18ppb				
37. Total Polychlorinated Biphenyls (PCBs)	✓		1	g	608	0.00011				
38. Antimony	✓		1	g	200.7	0.002				
39. Arsenic	✓		1	g	200.7	0.0034				
40. Cadmium	✓		1	g	200.7	0.00030				
41. Chromium III		✓	1	g	200.7	0.0016	.00003	0.001	.00003	0.001
42. Chromium VI										

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	g	200.7	0.0029	.000058	0.005	.000058	0.005
44. Lead		✓	1	g	200.7	0.0017	.000068	0.002	.000068	0.002
45. Mercury		✓	1	g	200.7	0.00004	.000-000077	.00003	.000-000077	.00003
46. Nickel		✓	1	g	200.7	0.0017	.000068	0.002	.000068	0.002
47. Selenium	✓		1	g	200.7	0.0043				
48. Silver	✓		1	g	200.7	0.0010				
49. Zinc		✓	1	g	200.7	0.0044	.00011	0.004	.00011	0.004
50. Iron		✓	1	g	200.7	0.018	.0381	0.0014	.0381	.0014
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? Copper, lead, zinc, iron
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: copper, lead, zinc, iron DF: 192	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: Iron

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:

Groundwater will be pumped from the excavation to a 10K frac tank. A transfer pump will remove groundwater from the frac tank, pass it through a bag filter, and (3) 2,000-pb. carbon units placed in series. This is a proposed design from Service Tech, Inc. of North Providence, RI. A schematic is attached.

The system design will treat 75 gpm, we only need to operate a maximum of 50 gpm intermittently (when the frac tank is full), so the average is estimated at 20 pgm.

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

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

none

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:

Discharge will be directed to Manhole #173 per Map 11D from the Boston Water & Sewer Commission, through the Stoney Brook Conduit, to Outfall #23 which discharges to the Charles River (Map 23H 231), attached. The actual discharge location to the Charles River is just west of the Harvard Bridge.

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 22 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)?
Online information indicatess that the Charles River, in years past, has had impaired water quality for a variety of pollutants, including oil and grease, and metals.

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.

According to information obtained from the City of Boston, the site has been a gasoline service station since the 1930's. According to the Boston Water & Sewer Commission, Manhole #173 discharges to the Stoney Brook Conduit. This is the only feasible pathway from this site to a surface water discharge. The closest surface water is located greater than one half mile to the north.

This permit is for dewatering of an excavation to install gasoline storage tanks at the Getty station. The site is the subject of a release of gasoline that has been reported to the DEP. An Immediate Response Action Plan is currently in place and approved by DEP.

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:

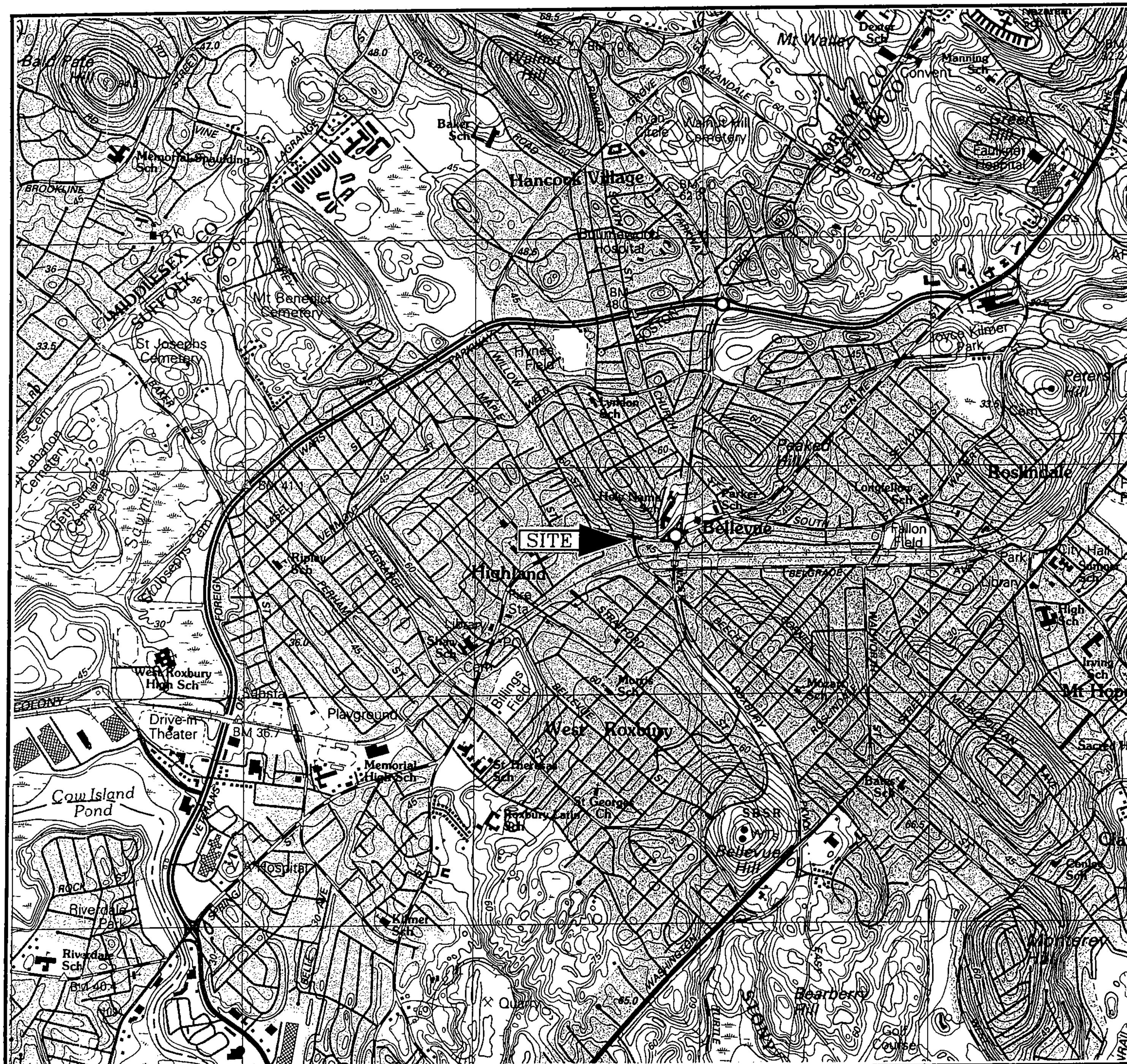
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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

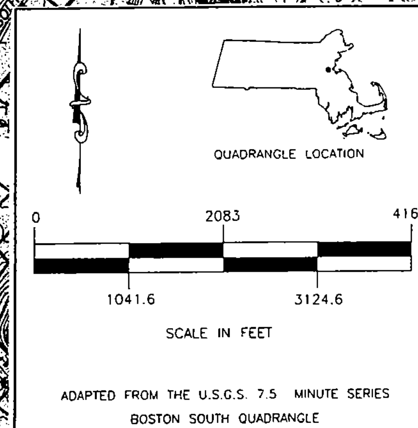
Facility/Site Name: Getty Station #30317

Operator signature: Stephen Hebert

Title: Senior Technician

Date: 2/14/06



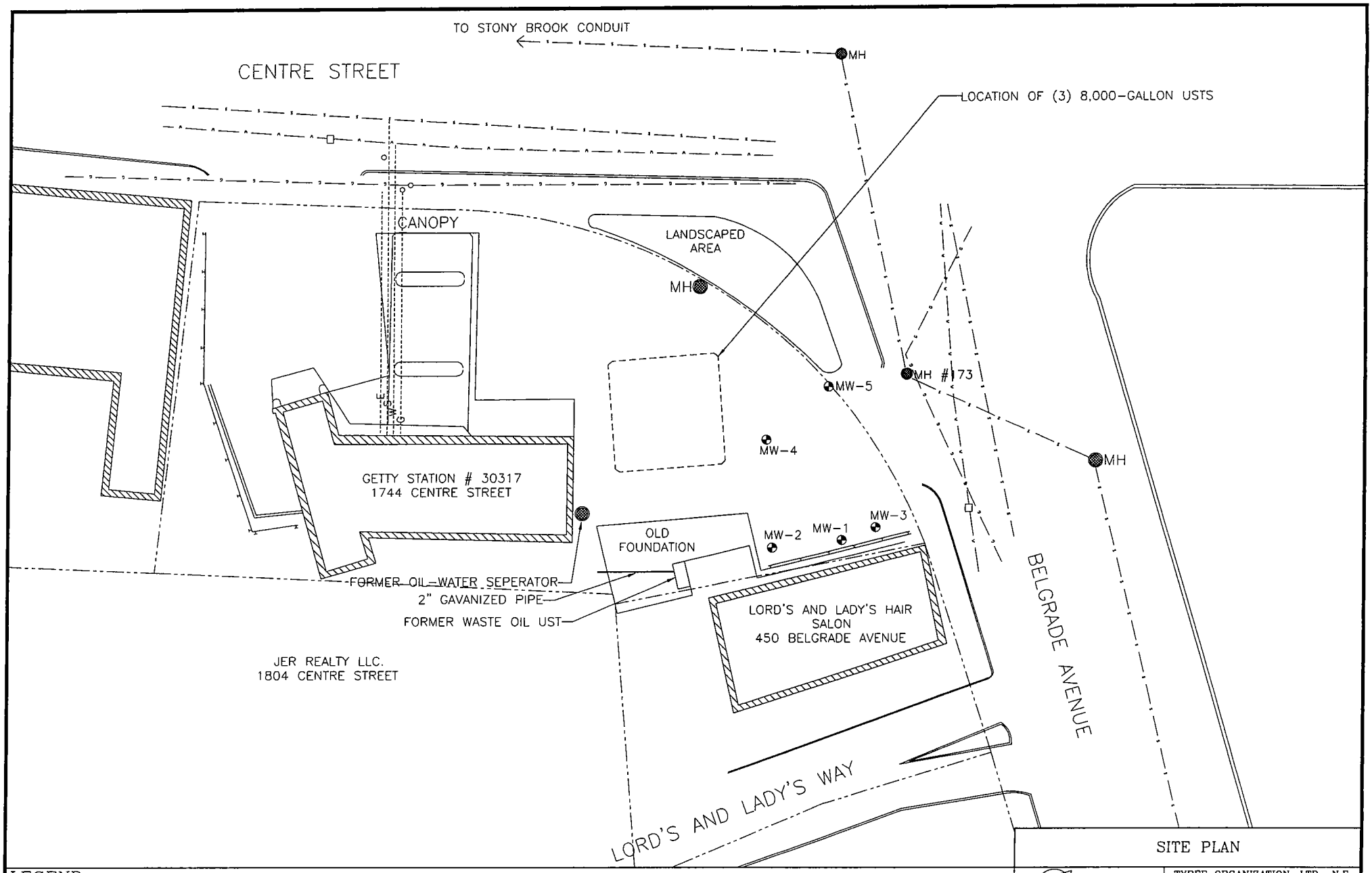


Tyree Environmental Technologies

TYREE ORGANIZATION, LTD., N.E.
9 OTIS STREET
WESTBOROUGH, MA 01581
TEL. (508) 871-8300 FAX (508) 871-8303

GETTY STATION NO. 30317
1744 CENTRE STREET
WEST ROXBURY, MA

FIGURE:1 SITE LOCATION MAP



SITE PLAN

LEGEND

- : TANK PAD MONITORING WELL
- MW-1 : MONITORING WELL
- PMW-3 : PROPOSED MONITORING WELL
- MH : MANHOLE
- CB : CATCHBASIN
- RW-4 : EXTRACTION WELL
- -----G----- : GAS LINE
- -----W----- : WATER LINE
- -----S----- : SEWER LINE
- -----E----- : ELECTRIC LINE
- : WATER MAIN
- : GAS MAIN
- : SEWER/STORM DRAIN
- : GUARDRAIL

0 10 20 30 50

Tyree Environmental Technologies

TYREE ORGANIZATION, LTD., N.E.
9 OTIS STREET
WESTBOROUGH, MA 01581
TEL. (508) 871-8300 FAX. (508) 871-8301

SCALE: NONE	PROJECT: GETTY STATION #30317
DATE: 01/26/06	
DRAWN: M. MESERVEY	LOCATION: 1744 CENTRE STREET
RTN: 3-25466	
FIGURE: 2	WEST ROXBURY, MA

H:\TYREE\GETTY\MA\WESTROXBURY

ATTACHMENT A

SERVICE TECH, INC.

Activated Carbon Engineering, Sales and Service

FACSIMILE TRANSMITTAL SHEET

TO: Brian Emery	FROM: Tim K
COMPANY: Tyree	DATE: 2/3/06
FAX NUMBER: 508.871.8301	TOTAL NO. OF PAGES INCLUDING COVER: 3
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
RE:	YOUR REFERENCE NUMBER:

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

Have A Great Day ! ! !

1164 Douglas Avenue, North Providence, RI 02904

401-353-3664 Fax 401-353-3696

www.servicetechinc.com

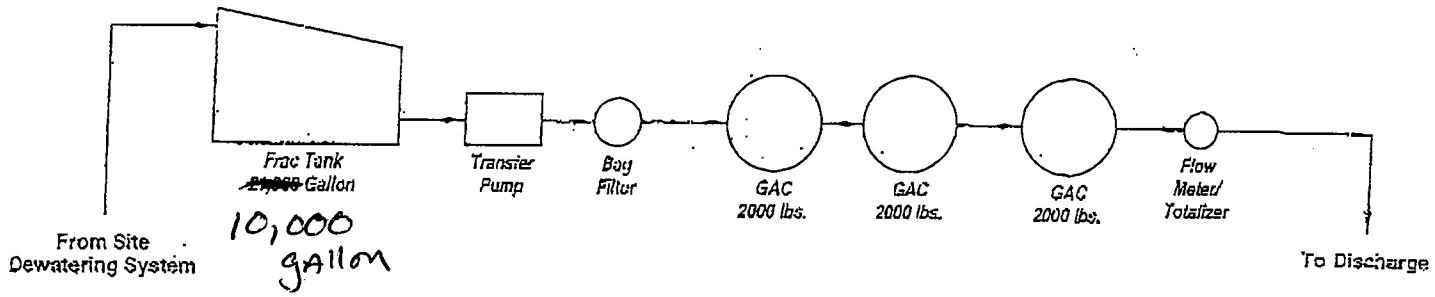
Brain:

Here is a written description of the system we would propose. Attached is a diagram.

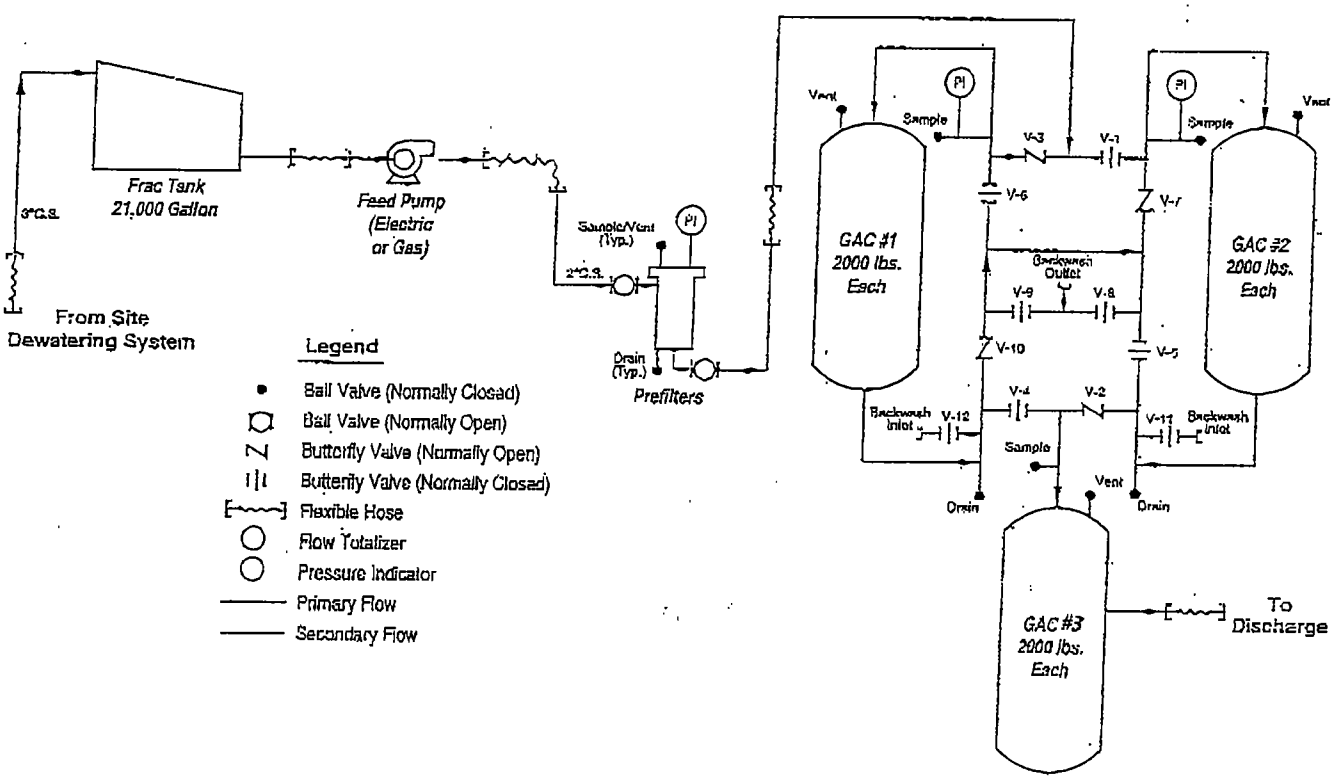
- Water will be pumped from the excavation via submersible pumps to a 10,000 gallon frac tank
- The 10,000 gallon frac tank will serve as a sedimentation and separation tank
- A centrifugal process pump will be utilized to move collected fluids through filtration components to discharge
- One bag filter will serve to remove particulates down to 25 microns. The bag filter vessel is size P2, 125 PSI.
- Following the bag filter, three liquid phase activated carbon vessels will be arranged in series configuration for VOC filtration. Each vessel will contain 2000 pounds LGAC. Vessels are rated for up to 100 GPM each, 75 PSI.
- A flow meter will be in-line following LGAC vessels for instant flow calculation. The flow meter is also a totalizer recoding total volume processed

SERVICE TECH, INC.

Activated Carbon Engineering, Sales and Service

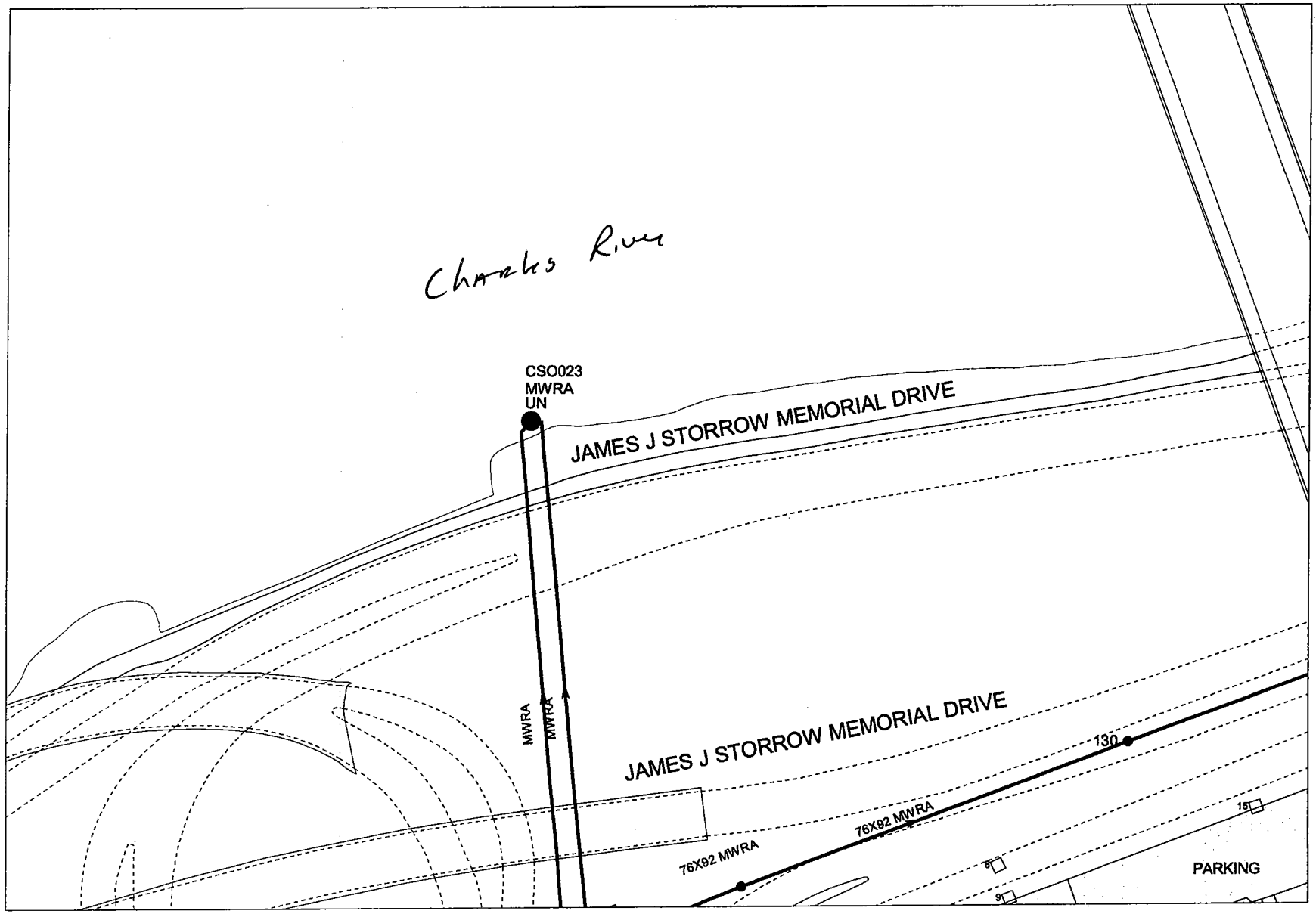


Process Flow Diagram
Dewatering Treatment System (Typical)



1164 Douglas Avenue, North Providence, RI 02904
401-353-3664 Fax: 401-353-3696

ATTACHMENT B



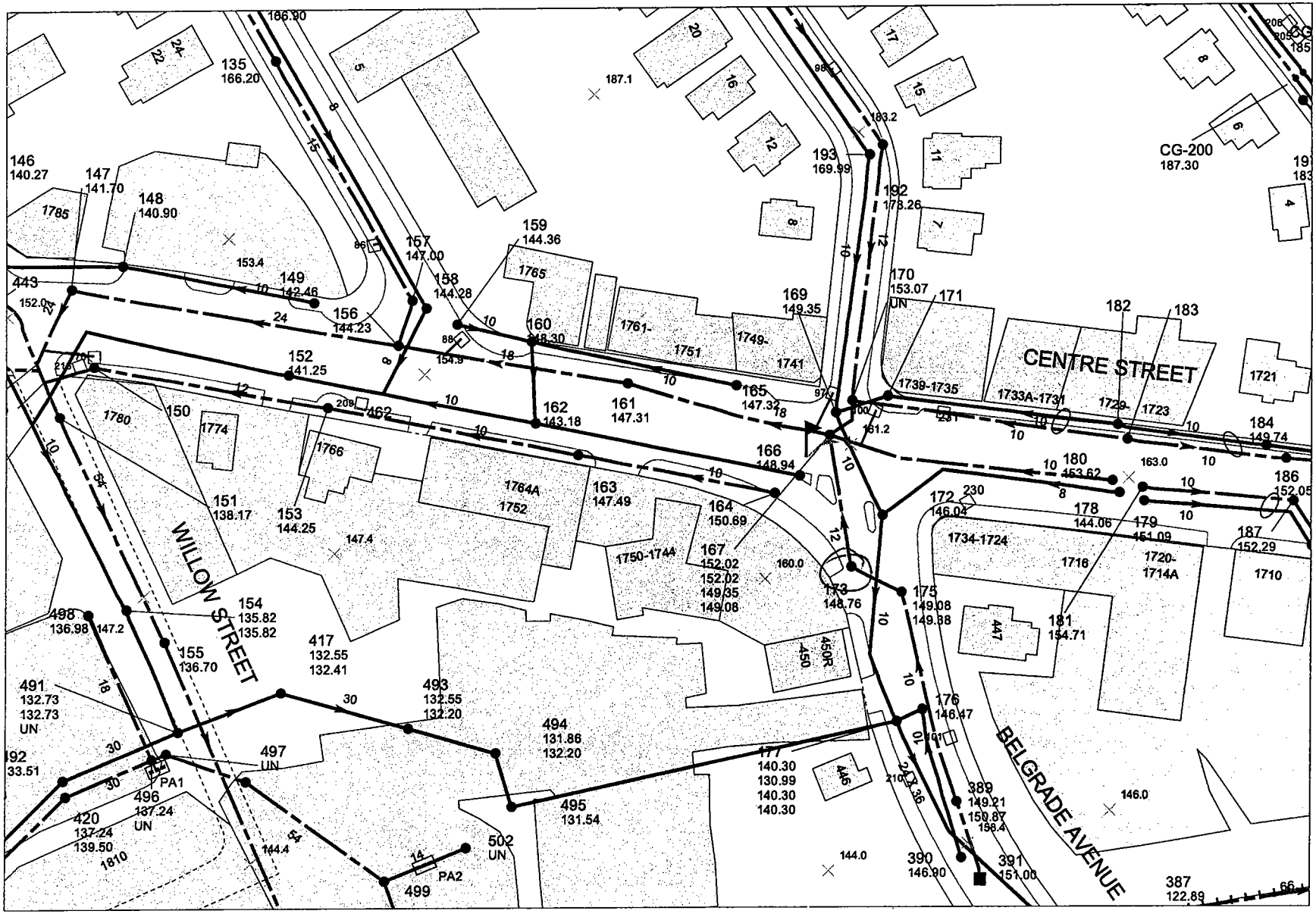
23H 23I

N

100 0 100 200 Feet

One Inch Equals 100 Feet

ATTACHMENT C



11D

N

100 0 100 200 Feet

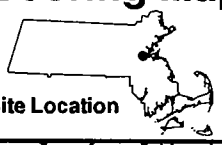
One Inch Equals 100 Feet

ATTACHMENT D

MA DEP - Bureau of Waste Site Cleanup

Site Scoring Map: 500 feet & 0.5 Mile Radii

SITE NAME:
Getty West Roxbury 30317
1744 Centre Street
Boston, MA 02132
893014n 228846ew



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

MASS GIS — Office of Geographic and Environmental Information
Massachusetts Executive Office of Environmental Affairs - 2006

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; IWPA; 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

0 1/2 MILES
0 1/2 KILOMETERS

N NW NE W E SW SE S

January 20, 2006

ATTACHMENT E

Brian Emery - Re: RGP question

From: <papadopoulos.george@epamail.epa.gov>
To: Brian Emery <BEmery@tyreeorg.com>
Date: 2/9/2006 10:55 AM
Subject: Re: RGP question

Brian, the 7Q10 of the Charles River close to the Kendall Station power plant was estimated at 22 cfs.
This should be a good number to use for your RGP NOI.

@@@@@@@@@@@@@@@@@@@@@@

George Papadopoulos
USEPA
1 Congress Street - Suite 1100
Mailcode CIP
Boston, MA 02114-2023

Phone: (617) 918-1579 FAX: (617) 918-1505

Brian Emery
<BEmery@tyreeorg
.com>
02/09/2006 10:18
AM

To
George
Papadopoulos/R1/USEPA/US@EPA

cc

Subject
RGP question

Hi, George,

one quick question, I have been searching all over for a 7Q10 for the Charles River, at at point just north of the Harvard Bridge.

Any suggestions?

Brian

ATTACHMENT F

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

02/07/2006

Laboratory Identifier: 0602049
Custody Document: N4001
Received: 02/02/2006 10:15
Sampled by: Stephen Hebenstreit
Job Number: 67125

Client: The Tyree Organization Dept. #20 (83337)
9 Otis Street
Westborough,
MA 01581-3311

Project: GETTY 30317
1744 Centre Street
West Roxbury,
MA

Manager: Brian Emery

Respectfully submitted,

Technical Director

NYS Lab ID # 10969
NJ Cert. # 73812
CT Cert. # PH0645
MA Cert. # NY061
PA Cert. # 68-535
NH Cert. # 252592-BA
RI Cert. # 161

Environmental Testing Laboratories, Inc.
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02/07/2006

Volatile Compounds by EPA Method 624

Sample: 0602049-1
Client Sample ID: MW-1
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 02/05/2006

Type: Grab

Collected: 02/01/2006 08:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
123-91-1	1,4-Dioxane	D2716-2734	642	642	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	D2716-2734	101.0 %	(80 - 125)	
460-00-4	4-BROMOFLUOROBENZENE	D2716-2734	99.3 %	(89 - 112)	
2037-26-5	TOLUENE-D8	D2716-2734	98.1 %	(85 - 122)	

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02/07/2006

Volatile Compounds by EPA Method 8260B

Sample: 0602049-1
Client Sample ID: MW-1
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 02/04/2006

Type: Grab

Collected: 02/01/2006 08:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-55-6	1,1,1-Trichloroethane	C2072-3152	11.0	11.0	ppb	U
79-00-5	1,1,2-Trichloroethane	C2072-3152	10.0	10.0	ppb	U
75-34-3	1,1-Dichloroethane	C2072-3152	4.60	4.60	ppb	U
106-93-4	1,2-Dibromoethane	C2072-3152	11.0	11.0	ppb	U
95-50-1	1,2-Dichlorobenzene	C2072-3152	8.60	8.60	ppb	U
107-06-2	1,2-Dichloroethane	C2072-3152	9.70	9.70	ppb	U
541-73-1	1,3-Dichlorobenzene	C2072-3152	9.80	9.80	ppb	U
106-46-7	1,4-Dichlorobenzene	C2072-3152	12.0	12.0	ppb	U
67-64-1	Acetone	C2072-3152	150	150	ppb	U
71-43-2	Benzene	C2072-3152	12.0	**4950**	ppb	
56-23-5	Carbon tetrachloride	C2072-3152	8.10	8.10	ppb	U
1634-04-4	Methyl t-butyl ether	C2074-3201	75.0	**19200**	ppb	
75-09-2	Methylene chloride	C2072-3152	11.0	11.0	ppb	U
91-20-3	Naphthalene	C2072-3152	17.0	**417**	ppb	Y
994-05-8	TAME	C2072-3152	13.0	**82.7**	ppb	Y
75-65-0	Tertiary butyl alcohol	C2072-3152	251	**3330**	ppb	Y
127-18-4	Tetrachloroethylene	C2072-3152	16.0	16.0	ppb	U
79-01-6	Trichloroethene	C2072-3152	20.0	20.0	ppb	U
75-01-4	Vinylchloride	C2072-3152	23.0	23.0	ppb	U
156-59-2	cis-1,2-Dichloroethene	C2072-3152	23.0	23.0	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
460-00-4	4-BROMOFLUOROBENZENE	C2072-3152	96.5 %	(88 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	C2072-3152	101.0 %	(84 - 113)	
2037-26-5	TOLUENE-D8	C2072-3152	95.9 %	(85 - 117)	
460-00-4	4-BROMOFLUOROBENZENE	C2074-3201	96.6 %	(88 - 112)	
4774-33-8	DIBROMOFLUOROMETHANE	C2074-3201	102.0 %	(84 - 113)	
2037-26-5	TOLUENE-D8	C2074-3201	99.9 %	(85 - 117)	

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02/07/2006

BTEX - EPA 624

Sample: 0602049-1
Client Sample ID: MW-1
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 02/06/2006

Type: Grab

Collected: 02/01/2006 08:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
71-43-2	Benzene	D2716-2734	27.0	**4180**	ppb	
108-88-3	Toluene	D2717-2768	280	**39900**	ppb	
100-41-4	Ethylbenzene	D2716-2734	36.0	**3660**	ppb	
1330-20-7	Xylenes	D2716-2734	87.0	**26100**	ppb	
108-38-3	m+p-Xylene	D2716-2734	61.0	**17600**	ppb	
95-47-6	o-Xylene	D2716-2734	26.0	**8540**	ppb	

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
17060-07-0	1,2-DICHLOROETHANE-D4	D2716-2734	101.0 %	(80 - 125)	
460-00-4	4-BROMOFLUOROBENZENE	D2716-2734	99.3 %	(89 - 112)	
2037-26-5	TOLUENE-D8	D2716-2734	98.1 %	(85 - 122)	
17060-07-0	1,2-DICHLOROETHANE-D4	D2717-2768	106.0 %	(80 - 125)	
460-00-4	4-BROMOFLUOROBENZENE	D2717-2768	98.8 %	(89 - 112)	
2037-26-5	TOLUENE-D8	D2717-2768	97.1 %	(85 - 122)	

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02/07/2006

EPA 625 Compounds by Method EPA 625

Sample: 0602049-1
Client Sample ID: MW-1
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 02/04/2006
Preparation Date(s) : 02/03/2006

Type: Grab

Collected: 02/01/2006 08:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
62-75-9	N-Nitrosodimethylamine	B 1917-8640	0.60	0.60	ppb	U
108-95-2	Phenol	B 1917-8640	2.47	**5.17**	ppb	Y
111-44-4	bis(2-Chloroethyl)ether	B 1917-8640	0.94	0.94	ppb	U
95-57-8	2-Chlorophenol	B 1917-8640	1.43	1.43	ppb	U
541-73-1	1,3-Dichlorobenzene	B 1917-8640	0.84	0.84	ppb	U
106-46-7	1,4-Dichlorobenzene	B 1917-8640	0.85	0.85	ppb	U
95-50-1	1,2-Dichlorobenzene	B 1917-8640	0.84	0.84	ppb	U
108-60-1	bis(2-Chloroisopropyl)ether	B 1917-8640	0.84	0.84	ppb	U
621-64-7	N-Nitrosodi-n-propylamine	B 1917-8640	0.70	0.70	ppb	U
67-72-1	Hexachloroethane	B 1917-8640	0.87	0.87	ppb	U
98-95-3	Nitrobenzene	B 1917-8640	0.54	0.54	ppb	U
78-59-1	Isophorone	B 1917-8640	0.78	0.78	ppb	U
88-75-5	2-Nitrophenol	B 1917-8640	1.53	1.53	ppb	U
105-67-9	2,4-Dimethylphenol	B 1917-8640	0.65	**45.6**	ppb	
111-91-1	bis(2-Chloroethoxy)methane	B 1917-8640	0.77	0.77	ppb	U
120-83-2	2,4-Dichlorophenol	B 1917-8640	1.56	1.56	ppb	U
120-82-1	1,2,4-Trichlorobenzene	B 1917-8640	0.85	0.85	ppb	U
91-20-3	Naphthalene	A 1475-8467	7.90	**329**	ppb	B
87-68-3	Hexachlorobutadiene	B 1917-8640	0.98	0.98	ppb	U
59-50-7	4-Chloro-3-methylphenol	B 1917-8640	0.77	0.77	ppb	U
77-47-4	Hexachlorocyclopentadiene	B 1917-8640	1.78	1.78	ppb	U
88-06-2	2,4,6-Trichlorophenol	B 1917-8640	1.34	1.34	ppb	U
91-58-7	2-Chloronaphthalene	B 1917-8640	0.83	0.83	ppb	U
131-11-3	Dimethylphthalate	B 1917-8640	0.55	0.55	ppb	U
606-20-2	2,6-Dinitrotoluene	B 1917-8640	1.02	1.02	ppb	U
208-96-8	Acenaphthylene	B 1917-8640	0.91	0.91	ppb	U
83-32-9	Acenaphthene	B 1917-8640	0.84	**1.05**	ppb	Y
51-28-5	2,4-Dinitrophenol	B 1917-8640	3.90	3.90	ppb	U
100-02-7	4-Nitrophenol	B 1917-8640	5.09	5.09	ppb	U
121-14-2	2,4-Dinitrotoluene	B 1917-8640	0.92	0.92	ppb	U
84-66-2	Diethylphthalate	B 1917-8640	0.72	**0.33**	ppb	J
86-73-7	Fluorene	B 1917-8640	1.14	**2.78**	ppb	Y
7005-72-3	4-Chlorophenyl phenyl ether	B 1917-8640	1.02	1.02	ppb	U
534-52-1	4,6-Dinitro-2-methylphenol	B 1917-8640	3.79	3.79	ppb	U

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02/07/2006

EPA 625 Compounds by Method EPA 625

Sample: 0602049-1
Client Sample ID: MW-1
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 02/04/2006
Preparation Date(s) : 02/03/2006

Type: Grab

Collected: 02/01/2006 08:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
86-30-6	N-Nitrosodiphenylamine	B 1917-8640	1.03	1.03	ppb	U
101-55-3	4-Bromophenyl phenyl ether	B 1917-8640	0.96	0.96	ppb	U
118-74-1	Hexachlorobenzene	B 1917-8640	0.94	0.94	ppb	U
87-86-5	Pentachlorophenol	B 1917-8640	3.53	3.53	ppb	U
85-01-8	Phenanthrene	B 1917-8640	0.99	**3.51**	ppb	Y
120-12-7	Anthracene	B 1917-8640	1.09	**0.70**	ppb	J
84-74-2	Di-n-butylphthalate	B 1917-8640	1.10	**0.35**	ppb	J
206-44-0	Fluoranthene	B 1917-8640	1.16	**0.46**	ppb	J
92-87-5	Benzidine	B 1917-8640	18.3	18.3	ppb	U
129-00-0	Pyrene	B 1917-8640	1.18	**0.67**	ppb	J
85-68-7	Butylbenzylphthalate	B 1917-8640	0.96	0.96	ppb	U
91-94-1	3,3'-Dichlorobenzidine	B 1917-8640	9.35	9.35	ppb	U
117-81-7	bis(2-Ethylhexyl)phthalate	B 1917-8640	1.30	**1.29**	ppb	JB
56-55-3	Benzo(a)anthracene	B 1917-8640	1.21	1.21	ppb	U
218-01-9	Chrysene	B 1917-8640	1.14	1.14	ppb	U
117-84-0	Di-n-octylphthalate	B 1917-8640	1.20	1.20	ppb	U
205-99-2	Benzo(b)fluoranthene	B 1917-8640	1.13	1.13	ppb	U
207-08-9	Benzo(k)fluoranthene	B 1917-8640	1.09	1.09	ppb	U
50-32-8	Benzo(a)pyrene	B 1917-8640	1.15	1.15	ppb	U
193-39-5	Indeno(1,2,3-cd)pyrene	B 1917-8640	1.15	1.15	ppb	U
53-70-3	Dibenz(a,h)anthracene	B 1917-8640	1.15	1.15	ppb	U
191-24-2	Benzo(g,h,i)perylene	B 1917-8640	1.21	1.21	ppb	U
86-74-8	Carbazole	B 1917-8640	0.96	0.96	ppb	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	B1917-8640	86.7 %	(10 - 123)	
321-60-8	2-FLUOROBIPHENYL	B1917-8640	60.3 %	(43 - 116)	
367-12-4	2-FLUOROPHENOL	B1917-8640	3.2 %	(21 - 110)	*
4165-60-0	NITROBENZENE-D5	B1917-8640	48.4 %	(35 - 114)	
13127-88-3	PHENOL-D6	B1917-8640	19.9 %	(10 - 110)	
1718-51-0	TERPHENYL-D14	B1917-8640	70.4 %	(33 - 141)	

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02/07/2006

Semivolatile PAH Compounds - EPA Method 8270C

Sample: 0602049-1
Client Sample ID: MW-1
Matrix: Liquid
Remarks: See Case Narrative
Analyzed Date: 02/04/2006
Preparation Date(s) : 02/03/2006

Type: Grab

Collected: 02/01/2006 08:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
83-32-9	Acenaphthene	B 1917-8640	0.84	**1.05**	ppb	Y
208-96-8	Acenaphthylene	B 1917-8640	0.91	0.91	ppb	U
120-12-7	Anthracene	B 1917-8640	1.09	**0.70**	ppb	J
56-55-3	Benzo(a)Anthracene	B 1917-8640	1.21	1.21	ppb	U
50-32-8	Benzo(a)Pyrene	B 1917-8640	1.15	1.15	ppb	U
205-99-2	Benzo(b)Fluoranthene	B 1917-8640	1.13	1.13	ppb	U
191-24-2	Benzo(g,h,i)Perylene	B 1917-8640	1.21	1.21	ppb	U
207-08-9	Benzo(k)Fluoranthene	B 1917-8640	1.09	1.09	ppb	U
218-01-9	Chrysene	B 1917-8640	1.14	1.14	ppb	U
53-70-3	Dibenzo(a,h)Anthracene	B 1917-8640	1.15	1.15	ppb	U
206-44-0	Fluoranthene	B 1917-8640	1.16	**0.46**	ppb	J
86-73-7	Fluorene	B 1917-8640	1.14	**2.78**	ppb	Y
193-39-5	Indeno(1,2,3-cd)pyrene	B 1917-8640	1.15	1.15	ppb	U
91-20-3	Naphthalene	A 1475-8467	7.90	**329**	ppb	B
85-01-8	Phenanthrene	B 1917-8640	0.99	**3.51**	ppb	Y
129-00-0	Pyrene	B 1917-8640	1.18	**0.67**	ppb	J
91-57-6	2-Methylnaphthalene	A 1475-8467	9.70	**146**	ppb	BY

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
321-60-8	2-FLUOROBIPHENYL	B1917-8640	60.3 %	(43 - 116)	
4165-60-0	NITROBENZENE-D5	B1917-8640	48.4 %	(35 - 114)	
1718-51-0	TERPHENYL-D14	B1917-8640	70.4 %	(33 - 141)	

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02/07/2006

PCB Aroclors by SW846 8082/EPA 608

Sample: 0602049-1
Client Sample ID: MW-1
Matrix: Liquid
Remarks:
Analyzed Date: 02/03/2006
Preparation Date(s) : 02/03/2006

Type: Grab

Collected: 02/01/2006 08:00

Analytical Results

Cas No	Analyte	File ID	MDL	Concentration	Units	Q
12674-11-2	PCB 1016	G1069-66	0.000080	0.000080	ppm	U
11104-28-2	PCB 1221	G1069-66	0.000030	0.000030	ppm	U
11141-16-5	PCB 1232	G1069-66	0.00011	0.00011	ppm	U
53469-21-9	PCB 1242	G1069-66	0.00011	0.00011	ppm	U
12672-29-6	PCB 1248	G1069-66	0.000090	0.000090	ppm	U
11097-69-1	PCB 1254	G1069-66	0.000040	0.000040	ppm	U
11096-82-5	PCB 1260	G1069-66	0.000080	0.000080	ppm	U

Surrogate Results

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
2051-24-3	DECACHLOROBIPHENYL	G1069-66	64.2 %	(30 - 150)	
877-09-8	TETRACHLORO M-XYLENE	G1069-66	68.1 %	(30 - 150)	

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02/07/2006

Metals by Method SW846 6010/EPA 200.7

Sample: 0602049-1
Client Sample ID: MW-1
Matrix: Liquid
Remarks:
Analyzed Date: 02/04/2006
Preparation Date(s) : 02/03/2006

Type: Grab

Collected: 02/01/2006 08:00

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7440-36-0	Antimony	0.0020	0.0020	ppm	U
7440-38-2	Arsenic	0.0034	0.0034	ppm	U
7440-43-9	Cadmium	0.00030	0.00030	ppm	U
7440-47-3	Chromium	0.0016	**0.030**	ppm	
7440-50-8	Copper	0.0029	**0.058**	ppm	
7439-89-6	Iron	0.018	**38.1**	ppm	
7439-92-1	Lead	0.0017	**0.068**	ppm	
7440-02-0	Nickel	0.00050	**0.023**	ppm	
7782-49-2	Selenium	0.0043	0.0043	ppm	U
7440-22-4	Silver	0.0010	0.0010	ppm	U
7440-66-6	Zinc	0.0044	**0.11**	ppm	

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02/07/2006

Mercury by SW846 7470/7471/EPA 245.1

Sample: 0602049-1
Client Sample ID: MW-1
Matrix: Liquid
Remarks:
Analyzed Date: 02/02/2006
Preparation Date(s) : 02/02/2006

Type: Grab

Collected: 02/01/2006 08:00

Analytical Results

Cas No	Analyte	MDL	Concentration	Units	Q
7439-97-6	Mercury	0.000014	**0.000077**	ppm	

Environmental Testing Laboratories, Inc.
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02/07/2006

Total Chlorine

Sample: 0602049-1
Client Sample ID: MW-1
Matrix: Liquid
Remarks:
Analyzed Date: 02/02/2006

Type: Grab

Collected: 02/01/2006 08:00

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
7782-50-5	Chlorine	0	ND	ppm	

Environmental Testing Laboratories, Inc.
208 Route 109, Farmingdale NY 11735
Phone - 631-249-1456 Fax - 631-249-8344

02/07/2006

Total Cyanide - EPA 335.2

Sample: 0602049-1
Client Sample ID: MW-1
Matrix: Liquid
Remarks:
Analyzed Date: 02/03/2006

Type: Grab

Collected: 02/01/2006 08:00

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
57-12-5	Cyanide	0.010	0.010	mg/L	U

Environmental Testing Laboratories, Inc.
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Phone - 631-249-1456 Fax - 631-249-8344

02/07/2006

EPA 1664 Non-Polar Material (TPH)

Sample: 0602049-1
Client Sample ID: MW-1
Matrix: Liquid
Remarks:
Analyzed Date: 02/06/2006

Type: Grab

Collected: 02/01/2006 08:00

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	1664 Non-Polar Material (TPH)	3.05	**4.15**	mg/L	

Environmental Testing Laboratories, Inc.
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02/07/2006

Total Suspended Solids - EPA 160.2/SM 2540D

Sample: 0602049-1
Client Sample ID: MW-1
Matrix: Liquid
Remarks:
Analyzed Date: 02/02/2006

Type: Grab

Collected: 02/01/2006 08:00

Analytical Results

Cas No	Analyte	MDL	Result	Units	Q
	Total Suspended Solids	4.58	**32.0**	mg/L	

Environmental Testing Laboratories, Inc.
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02/07/2006

Case Narrative

625:

Bis(2-ethylhexyl)phthalate, which was found in the blank associated with this sample at 0.47ppb, is a common laboratory contaminant.

Naphthalene was detected in the blank associated with sample at 0.44ppb which is below our detection/reporting limit.

The response for Bis (2-chloroisopropyl) ether in the continuing calibration has a 21% deviation from the average response of the initial calibration. All other compounds meet the +/- 20% criteria.

The acid surrogate 2-Fluorophenol did not pass QC requirements in the un-diluted sample. This is due to matrix interference in the form of high concentrations of non-target compounds. The surrogate recovery passes in the diluted extract at 25.3%.

PAHs:

Naphthalene and 2-Methylnaphthalene were detected in the blank associated with sample at 0.44ppb and 0.22ppb respectively. Both are below our detection/reporting limit.

EPA 8260 VOLATILE ANALYSIS:

The following compounds were calibrated at 25, 50, 100,
150 and 200 ppb levels in the initial calibration curve:
Acetone
2-Butanone
4-Methyl-2-pentanone
2-Hexanone

M&P-Xylenes and 2-Chloroethylvinylether were calibrated at 10, 40, 100, 200 and 300 ppb levels.
Acrolein/Acrylonitrile were calibrated at 50,100,150,200 and 250 ppb levels.
Tert Butyl Alcohol (TBA) was calibrated at 50,200,500,1000 and 1500 ppb levels.

All other compounds were calibrated at 5, 20, 50, 100 and 150 ppb levels.

EPA 624 VOLATILE ANALYSIS:

Acrolein and Acrylonitrile were calibrated at 25, 100,
250, 500 and 750 ppb levels in the Method 624 initial
calibration curve.

MTBE, m&p-Xylenes and 2-Chloroethylvinyl ether were
calibrated at 10, 40, 100, 200 and 300 ppb levels.

Tert butyl alcohol(TBA) and 1,4-Dioxane were calibrated at 50, 200, 500, 1000 and 1500 ppb levels.

Ethanol and tert-amyl alcohol were calibrated at 200,500,750,1000 and 1250 ppb levels.

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Case Narrative

All other compounds were calibrated at 5, 20,50, 100 and 150 ppb levels.

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02/07/2006

ORGANIC METHOD QUALIFIERS

Q - Qualifier - specified entries and their meanings are as follows:

U - The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.

J - Indicates an estimated value. The concentration reported was detected below the Method Detection Limit (MDL).

Y - The concentration reported was detected below the lowest calibration standard concentration.

B - The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

E - The concentration of the analyte exceeded the calibration range of the instrument.

D - This flag indicates a system monitoring compound diluted out.

INORGANIC METHOD QUALIFIERS

C - (Concentration) qualifiers are as follows:

B - Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

U - Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.

Q - Qualifier specific entries and their meanings are as follows:

E - Reported value is estimated because of the presence of interferences.

M - (Method) qualifiers are as follows:

A - Flame AA
AS - Semi-automated Spectrophotometric
AV - Automated Cold Vapor AA
C - Manual Spectrophotometric
F - Furnace AA
P - ICP
T - Titrimetric

OTHER QUALIFIERS

ND - Not Detected