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DC
MAG-910141

October 21, 2005

United States Environmental Protection Agency
RCP-NOC Processing
Municipal Assistance Unit (CMU)
One Congress Street, Suite 1100
Boston, Massachusetts 02114-2023

Subject: Notice of Intent
Remediation General Permit
Former Mobil Service Station No. 01-F3V
240 Housatonic Street
Lee, Massachusetts
Release Tracking Number 1-0736
NPDES Exclusion Reference #99-037

OCT 24 2005

To Whom It May Concern:

On behalf of Exxon Mobil Corporation (ExxonMobil), Camp Dresser & McKee, Inc. is submitting this Notice of Intent for the Remediation General Permit for the Former Mobil Service Station No. 01-F3V located at 240 Housatonic Street in Lee, Massachusetts. ExxonMobil is currently operating a vacuum enhanced groundwater extraction remedial system located on the above property. This discharge is currently operating in accordance with 310 CMR 40.0000 and National Pollution Discharge Elimination System Exclusion Reference #99-037.

If you have any further questions regarding this matter please contact the undersigned at (617) 452-6000.

Very truly yours,

Philippe Dubreuilh, Ph.D., LSP
Project Manager
Camp Dresser & McKee Inc.

James H. Zigmont, LSP
Environmental Scientist
Camp Dresser & McKee Inc.

cc: Edward Weagle, MADEP WERO
David Baker, ExxonMobil
Town of Lee Conservation Commission
File

Notice of Intent (NOI) for the Remediation General Permit No. MAG910000

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

a) Name of facility/site: Former Mobil Service Station No. 01-F3V		Facility/site address: 240 Housatonic Street	
Location of facility/site: Longitude: <u>-73°14'30"</u> latitude: <u>42°17'55"</u>	Facility SIC code(s): 5541	Street: 240 Housatonic Street	
b) Name of facility/site owner: Mick Callahan		Town: Lee	
Email address of owner: Unknown		State: MA	Zip: 01238
Telephone no. of facility/site owner: 413-447-7771 ext 11 or 413 443-5931		County: Berkshire	
Fax no. of facility/site owner: Unknown		Owner is (check one): 1. Federal ___ 2. State/Tribal ___ 3. Private <u>X</u> 4. other, if so, describe:	
Address of owner (if different from site): Street: P.O. Box 526			
Town: Pittsfield	State: MA	Zip: 01202	County: Berkshire
c) Legal name of operator: Exxon Mobil Corporation	Operator telephone no.: 617-381-2807		
	Operator fax no.: 262-313-1820	Operator email: david.j.baker@exxonmobil.com	
Operator contact name and title: David J. Baker, Project Manager			
Address of operator (if different from owner):	Street: 52 Beacham Street		
Town: Everett	State: MA	Zip: 02149-5226	County: Middlesex
d) Check "yes" or "no" for the following: 1. Has a prior NPDES permit exclusion been granted for the discharge? Yes <u>X</u> No __, if "yes," number: 99-037 2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes __ No <u>X</u> , if "yes," date and tracking #: 3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Yes __ No <u>X</u> 4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes <u>X</u> No __			
e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes <u>X</u> No __ If "yes," please list: MCP compliance 1. site identification # assigned by the state of NH or MA: RTN 1-0736		f) Is the site/facility covered by any other EPA permit, including: 1. multi-sector storm water general permit? Y __ N <u>X</u> if Y, number: 2. phase I or II construction storm water general permit? Y __ N <u>X</u> if Y, number:	

2. permit or license # assigned: Tier II site 3. state agency contact information: name, location, and telephone number: MADEP, 436 Dwight Street, Springfield, MA 01103, (413) 784-1100	3. individual NPDES permit? Y___ N <u>X</u> , if Y, number: 4. any other water quality related permit? Y___ N <u>X</u> , if Y, number:
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2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage: Coverage is sought for discharge associated with operation of a vacuum enhanced groundwater extraction (VEGE) system. The VEGE system extracts groundwater which is transported to a vapor/liquid separator and an oil/water separator. Groundwater is then pumped through cartridge filters and 2 500-lb liquid granular activated carbon vessels in series for treatment prior to discharge to a wetland area adjacent to the Housatonic River.			
b) Provide the following information about each discharge:	<table border="1"> <tr> <td data-bbox="254 613 451 792"> 1) Number of discharge points: 1 </td> <td data-bbox="451 613 1950 792"> 2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft³/s)? Max. flow <u>0.033 ft³/sec</u> Average flow <u>0.0035 ft³/sec</u> Is maximum flow a design value? Y <u>X</u> N ___ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available. </td> </tr> </table>	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>0.033 ft³/sec</u> Average flow <u>0.0035 ft³/sec</u> Is maximum flow a design value ? Y <u>X</u> N ___ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available.
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>0.033 ft³/sec</u> Average flow <u>0.0035 ft³/sec</u> Is maximum flow a design value ? Y <u>X</u> 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>-73°14'30"</u> lat. <u>42°17'54"</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 <u>N</u> or seasonal <u>N</u> ? Is discharge ongoing Yes <u>X</u> No _____?		
c) Expected dates of discharge (mm/dd/yy): start <u>05/20/99</u> end <u>10/01/08</u> Expected date for end of discharge is estimated and is dependent on achievement of groundwater cleanup standards under the Massachusetts Contingency Plan.			
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). See attached Process & Instrumentation Diagram (2 sheets)			

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 X	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 (ug/l)	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids	X (2)		1	Grab	160.2	4000	2000	0.164	2000	0.017
2. Total Residual Chlorine	(1)									
3. Total Petroleum Hydrocarbons		X	6	Grab	418.1	100	948	0.078	240	0.0021
4. Cyanide	(1)									
5. Benzene		X	6	Grab	8021B / VPH-98-1 / 624	1.0 / 1.0 / 1.0	28.3	0.002	8.8	0.00008
6. Toluene		X	6	Grab	8021B / VPH-98-1 / 624	1.0 / 3.0 / 1.0	63.1	0.005	17.98	0.00016
7. Ethylbenzene		X	6	Grab	8021B / VPH-98-1 / 624	1.0 / 1.0 / 1.0	107	0.009	21.02	0.00018

8. (m,p,o) Xylenes		X	6	Grab	8021B / VPH-98-1 / 624	3.0 / 6.0 / 1.0	741	0.061	171.62	0.0015
9. Total BTEX ¹		X	6 sets	Grabs	8021B / VPH-98-1 / 624	6.0 / 11 / 4.0	939.4	0.077	219.41	0.0019

¹BTEX = 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 (ug/l)	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide ² (1,2- Dibromo-methane)	X (2)		1	Grab	504	0.012	0.006	0.0000005	0.006	0.00000005
11. Methyl-tert-Butyl Ether (MtBE)		X	6	Grab	8021B / VPH-98-1 / 624	1.0 / 3.0 / 1.0	60	0.005	25.55	0.0002
12. tert-Butyl Alcohol (TBA)	X (2)		1	Grab	SW846 8260B	100	50	0.004	50	0.0004
13. tert-Amyl Methyl Ether (TAME)	X (2)		1	Grab	SW846 8260B	2.0	1.0	0.00008	1.0	0.000009
14. Naphthalene	X (2)		1	Grab	625	5.0	2.5	0.0002	2.5	0.00002
15. Carbon Tetrachloride	(1)									
16. 1,4 Dichlorobenzene	(1)									
17. 1,2 Dichlorobenzene	(1)									
18. 1,3 Dichlorobenzene	(1)									
19. 1,1 Dichloroethane	(1)									
20. 1,2 Dichloroethane	(1)									
21. 1,1 Dichloroethylene	(1)									
22. cis-1,2 Dichloroethylene	(1)									
23. Dichloromethane (Methylene Chloride)	(1)									
24. Tetrachloroethylene	(1)									

²EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method (ug/l)	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	(1)									
26. 1,1,2 Trichloroethane	(1)									
27. Trichloroethylene	(1)									
28. Vinyl Chloride	(1)									
29. Acetone	(1)									
30. 1,4 Dioxane	(1)									
31. Total Phenols	(1)									
32. Pentachlorophenol	(1)									
33. Total Phthalates ³ (Phthalate esthers)	(1)									
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	(1)									
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	(1)									
a. Benzo(a) Anthracene	(1)									
b. Benzo(a) Pyrene	(1)									
c. Benzo(b)Fluoranthene	(1)									
d. Benzo(k) Fluoranthene	(1)									
e. Chrysene										

³The 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 (ug/l)	Maximum daily value		Average daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
f. Dibenzo(a,h) anthracene	(1)									
g. Indeno(1,2,3-cd) Pyrene	(1)									
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	(1)									
h. Acenaphthene	(1)									
i. Acenaphthylene	(1)									
j. Anthracene	(1)									
k. Benzo(ghi) Perylene	(1)									
l. Fluoranthene	(1)									
m. Fluorene	(1)									
n. Naphthalene-	(1)									
o. Phenanthrene	(1)									
p. Pyrene	(1)									
37. Total Polychlorinated Biphenyls (PCBs)	(1)									
38. Antimony	(1)									
39. Arsenic	(1)									
40. Cadmium	(1)									
41. Chromium III	(1)									
42. Chromium VI	(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 (ug/l)	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper	(1)									
44. Lead	X (2)		1	Grab	239.2	1.0	0.5	0.00004	0.5	0.000004
45. Mercury	(1)									
46. Nickel	(1)									
47. Selenium	(1)									
48. Silver	(1)									
49. Zinc	(1)									
50. Iron		X	1	Grab	SW846 6010B	100	2040	0.17	2040	0.018
Other (describe):										

Footnotes: (1) Analysis for this parameter is not required for gasoline remediation sites in accordance with Part I.C. Table V of the RGP.

(2) Parameter not detected above the minimum level of test method. Half the minimum level is used in computing average daily values and compiling maximum daily values.

Notes: Data used (when more than one sample included) consists of data collected between 9/2004 and 9/2005. For undetected results among these data, half the minimum level is used in computing average daily values and compiling maximum daily values.

MLs listed represent the minimum detection limit of included results for a given analysis.

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

<p><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 <u>X</u> N <u> </u></p>	<p>If yes, which metals? Iron</p>
<p><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: <u>Iron</u> DF: <u>722</u></p>	<p>Look up the limit calculated at the corresponding dilution factor in Appendix IV. Do any of the metals in the influent have the potential to exceed the corresponding effluent limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y <u> </u> N <u>X</u> If "Yes," list which metals:</p>

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

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank	Air stripper <input checked="" type="checkbox"/>	Oil/water separator <input checked="" type="checkbox"/>	Equalization tanks	Bag filter	GAC filter <input checked="" type="checkbox"/>
	Chlorination	Dechlorination	Other (please describe):			
c) Proposed average and maximum flow rates (gallons per minute) for the discharge and the design flow rate(s) (gallons per minute) of the treatment system: Average flow rate of discharge <u>1.6 gpm</u> Maximum flow rate of treatment system <u>15 gpm</u> Design flow rate of treatment system <u>15 gpm</u>						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets):						

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

a) Identify the discharge pathway:	Direct <input type="checkbox"/>	Within facility <input type="checkbox"/>	Storm drain <input type="checkbox"/>	River/brook <input checked="" type="checkbox"/>	Wetlands <input checked="" type="checkbox"/>	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: Discharge is to a wetland adjacent to the Housatonic 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. See attached Location Map						
d) Provide the state water quality classification of the receiving water <u>Class B, Warm Water</u>						
e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water <u>24.12</u> cfs Please attach any calculation sheets used to support stream flow and dilution calculations.						
f) Is the receiving water a listed 303(d) water quality impaired or limited water? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If yes, for which pollutant(s)? Is there a TMDL? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, for which pollutant(s)? See 7. Supplemental Information						

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 X
Has any consultation with the federal services been completed? Yes ___ No X or is consultation underway? Yes ___ No X See 7. Supplemental Information
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 X Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes ___ No X See 7.
Supplemental Information

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.

5. f) The Housatonic River downstream of the facility is impaired by unknown toxicity, priority organics, thermal modifications, pathogens, and turbidity. There are no TMDLs. Source: *Proposed Massachusetts Year 2004 Integrated List of Waters*.

6. a) According to the website of the Massachusetts Natural Heritage and Endangered Species Program, no species protected by the federal Endangered Species Act occur in Lee. No critical habitats are designated in the county.

6. b) No sites on the National Register of Historic Places are located within ½-mile of the facility or discharge location.

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: Former Mobil Service Station No. 01-F3V, Lee, Massachusetts (NPDES Permit Exclusion Reference #99-037)

Operator signature:

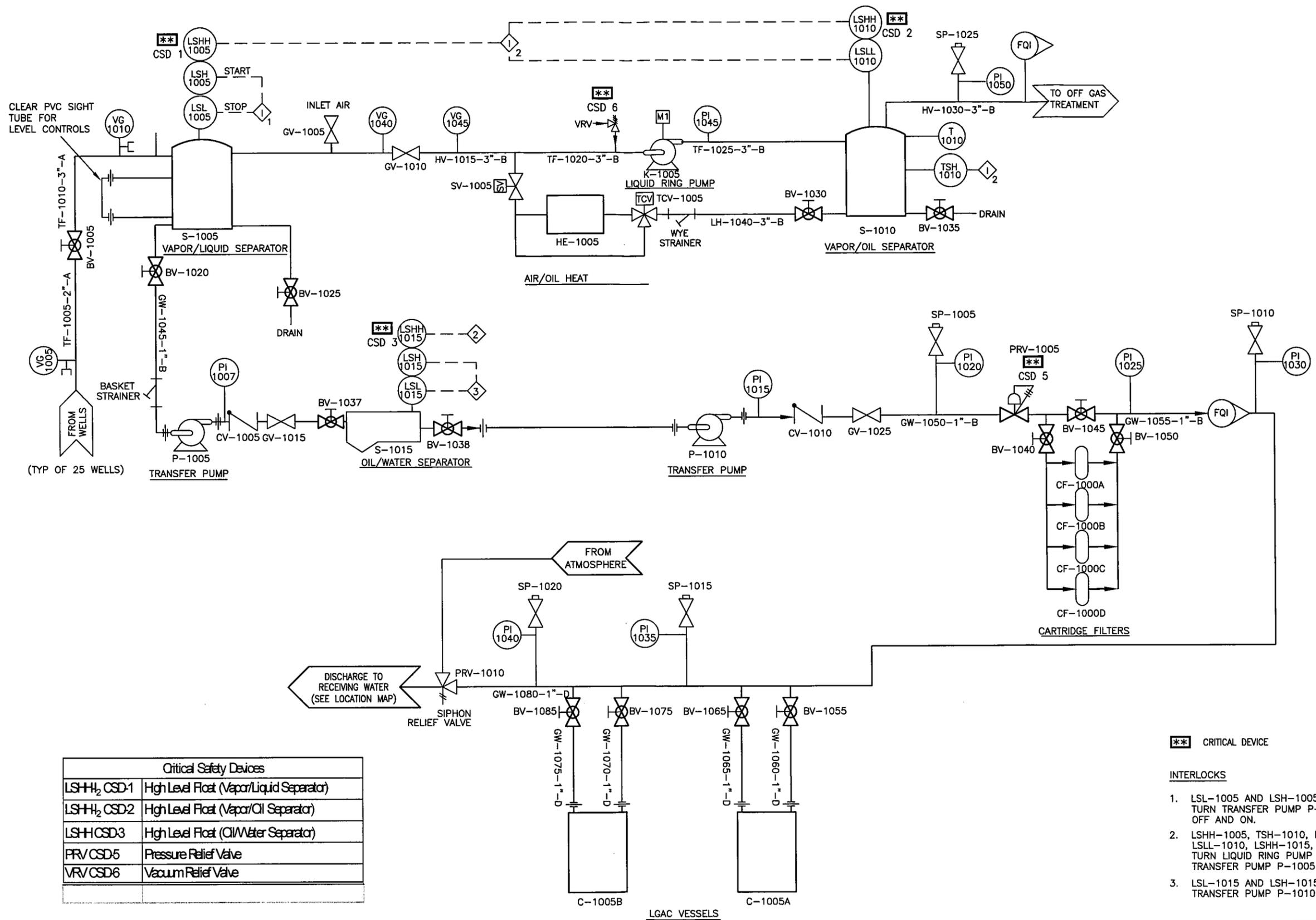


Title: Project Manager

Date:

10/18/2005

Q:\20474\32302\01-F3V\PID00003.DWG



Critical Safety Devices	
LSHH ₂ CSD-1	High Level Float (Vapor/Liquid Separator)
LSHH ₂ CSD-2	High Level Float (Vapor/Oil Separator)
LSHH CSD-3	High Level Float (Oil/Water Separator)
PRV/CSD-5	Pressure Relief Valve
VRV/CSD-6	Vacuum Relief Valve

** CRITICAL DEVICE

INTERLOCKS

1. LSL-1005 AND LSH-1005
TURN TRANSFER PUMP P-1005
OFF AND ON.
2. LSHH-1005, TSH-1010, LSHH-1010,
LSLL-1010, LSHH-1015, LSHH-1020
TURN LIQUID RING PUMP K-1005 AND
TRANSFER PUMP P-1005
3. LSL-1015 AND LSH-1015 TURN
TRANSFER PUMP P-1010 OFF AND ON.

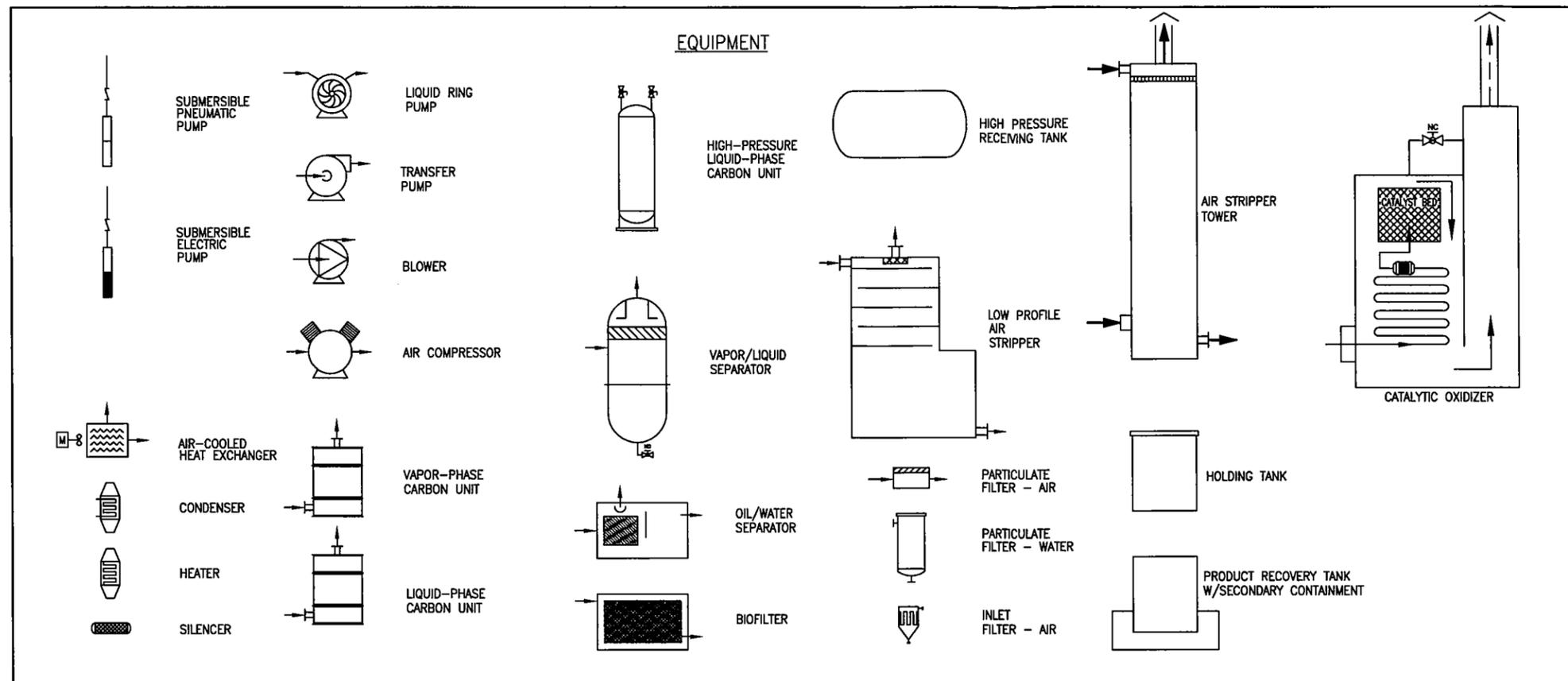
FORMER MOBIL SERVICE STATION (FORMERLY # 01-F3V)
240 HOUSATONIC STREET
LEE, MASSACHUSETTS

NOTICE OF INTENT FOR REMEDIATION GENERAL PERMIT

PROCESS & INSTRUMENTATION DIAGRAM
VACUUM ENHANCED GROUNDWATER EXTRACTION SYSTEM



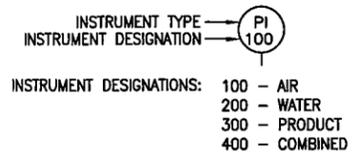
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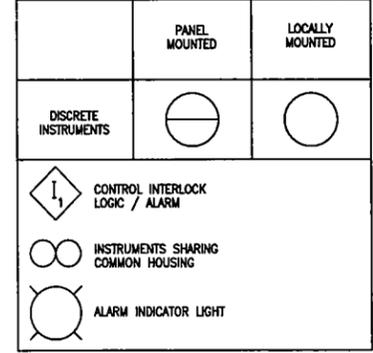
INSTRUMENTATION ABBREVIATIONS

CI	CAPACITIVE SENSOR	PC	PRESSURE CONTROL
FI	FLOW INDICATOR	PDS	PRESSURE DIFFERENTIAL SWITCH
FQ	FLOW TOTALIZER	PI	PRESSURE INDICATOR
FDI	FLOW INDICATING TOTALIZER	PSH	PRESSURE SWITCH HIGH
FSH	FLOW SWITCH HIGH	PSL	PRESSURE SWITCH LOW
FSL	FLOW SWITCH LOW	SL	STATUS LAMP
HS	HAND START	SP	SAMPLE POINT
KC	CYCLE COUNTER	TI	TEMPERATURE INDICATOR
KP	CYCLE TIMER	TS	TEMPERATURE SENSOR
LEL	EXPLOSIVITY METER	TDSH	TEMPERATURE DIFFERENTIAL SENSOR HIGH
LSLL	LEVEL SWITCH LOW LOW	TSH	TEMPERATURE SWITCH HIGH
LSL	LEVEL SWITCH LOW	TSL	TEMPERATURE SWITCH LOW
LSH	LEVEL SWITCH HIGH	TT	TEMPERATURE TRANSDUCER
LSHH	LEVEL SWITCH HIGH HIGH	VI	VACUUM INDICATOR

INSTRUMENTATION LABELING



GENERAL INSTRUMENTATION OR FUNCTION SYMBOLS



VALVES

- BALL VALVE
- GATE VALVE
- GLOBE VALVE
- BUTTERFLY VALVE
- SWING CHECK VALVE
- BALL CHECK VALVE
- FOOT VALVE
- DIAPHRAGM VALVE
- NEEDLE VALVE
- 3 WAY VALVE
- 4 WAY VALVE
- SAMPLE VALVE

VALVE ABBREVIATIONS

- N.C. - NORMALLY CLOSED
- N.O. - NORMALLY OPEN
- MAN - MANUAL

ACTUATORS / REGULATORS

- HAND ACTUATOR
- DIAPHRAGM ACTUATOR
- HYDRAULIC ACTUATOR
- SOLENOID ACTUATOR
- MOTOR ACTUATOR
- DIGITAL ACTUATOR
- WATER ACTUATOR
- PRESSURE RELIEF
- PRESSURE RELIEF VALVE
- VACUUM RELIEF VALVE
- REGULATOR
- RUPTURE DISK
- SLIP UPDRAFT VENT CAP

FITTINGS & PIPING

- FLANGED CONNECTION
- SCREWED CONNECTION
- UNION
- COUPLING
- STRAINER
- CROSSOVER
- REDUCER
- FLOW RESTRICTOR
- CLEAR PIPE/SIGHT TUBE
- EXPANSION JOINT/SLEEVE
- VICTAULIC CONNECTOR
- PLUG
- PIPE CAP
- HOSE CONNECTION
- QUICK CONNECT w/ FLEX HOSE
- QUICK CONNECT COUPLING

FLOW ELEMENTS

- SINGLE PORT PITOT TUBE
- AVERAGING PITOT TUBE
- POSITIVE DISPLACEMENT FLOW INDICATOR
- PROPELLER OR TURBINE TYPE FLOW ELEMENT
- VORTEX SENSOR
- SONIC FLOWMETER
- TARGET TYPE SENSOR
- WEIR
- VENTURI TUBE
- FLOW NOZZLE

PIPE DESIGNATION

2" - GW - SCH 80 PVC
DIAMETER PROCESS MATERIAL MEDIA

VAP - VAPOR
GW - GROUNDWATER
AIR - COMPRESSED AIR
PROD - PRODUCT

— PROCESS PIPE
- - - ELECTRICAL CONTROL

PIPING MATERIAL ABBREVIATIONS

- CPVC - CHLORINATED POLYVINYL CHLORIDE
- CS - CARBON STEEL PIPE
- COP - COPPER
- CM - CORRUGATED METAL PIPE
- CI - CAST IRON PIPE
- DI - DUCTILE IRON PIPE
- GAL - GALVANIZED STEEL PIPE
- POLY - POLYETHYLENE PIPE
- PP - POLYPROPYLENE PIPE
- PVC - POLYVINYL CHLORIDE PIPE
- RC - REINFORCED CONCRETE PIPE
- HOSE - RUBBER OR PLASTIC HOSE
- SS - STAINLESS STEEL PIPE
- VC - VITRIFIED CLAY PIPE

NOT TO SCALE

FORMER MOBIL SERVICE STATION (FORMER 01-F3V)
240 HOUSATONIC STREET,
LEE, MASSACHUSETTS

NOTICE OF INTENT FOR REMEDIATION GENERAL PERMIT

PROCESS & INSTRUMENTATION DIAGRAM LEGEND





COOLER RECEIPT FORM

BC#

Client Name : CDM

Cooler Received/Opened On: 9/15/04 Accessioned By: Mark Beasley

M. Beasley
Log-in Personnel Signature

1. Temperature of Cooler when triaged: 3.5 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
a. If yes, how many, what kind and where: 1 Front
3. Were custody seals on containers and intact?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap) Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

If not, record standard ID of preservative used here _____

17. Was residual chlorine present?..... NO...YES...NA

18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

0830 _____

UPS Velocity Airborne Route Off-street Fedex Misc.

19. If a Non-Conformance exists, see attached or comments below:

9/22/04

CASE NARRATIVE

CDM Camp Dresser & McKee 10250
ANDREW POWERS
50 HAMPSHIRE ST
CAMBRIDGE, MA 02139

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 01-F3V

Laboratory Project Number:389414.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. These results relate only to the items tested, and this report may not be reproduced except in full and with the permission of the Laboratory. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation. This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Sample Identification	Lab Number	Page 1 Collection Date
-----	-----	-----
INF 9-9-04	04-A141742	9/ 9/04
MID 9-9-04	04-A141743	9/ 9/04
EFF 9-9-04	04-A141744	9/ 9/04

CASE NARRATIVE:

All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times.

All no responses from the attached "MCP Response Action Analytical Report Certification Form" are addressed below.

Sample Identification	Lab Number	Collection Date
-----	-----	-----

E. The 8021B surrogate for sample 141744 was recovered above acceptance limits. The sample was non-detect for target compounds.

F. The full MCP Volatiles CAM analyte list was not reported. Only those analytes requested on the chain of custody by the client were reported.

EPH/VPH QUALIFICATIONS

Laboratory Certification Number: M-TN032

Additional Laboratory Footnotes:

- ND = Not detected at the report limit.
- B = Analyte was detected in the method blank.
- J = Estimated Value below Report Limit.
- E = Estimated Value above the calibration limit of the instrument.
- # = Recovery outside Laboratory historical or method prescribed limits.

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name: TestAmerica Analytical Testing Corp. Project #: 389414

Project Location: 01-F3V, Lee MADEP RTN:

This Form provides certifications for the following data set: Lab SDG # 389414
Laboratory Sample ID's 04-A 141742 through 04-A 141744

Sample Matrices: Groundwater Soil/Sediment Drinking Water Other

MCP SW-846 8260B 8151A 8330 6010B 7470A/1A

Methods Used 8270C 8081A VPH 6020 9014M

8082 8021B EPH 7000 S Other

An affirmative response to questions A, B, and C 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
- 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
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? Yes No
- D. VPH and EPH methods only: Was the EPH or VPH method run without significant modifications, as specified in section 11.3? Yes No

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? Yes No
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? Yes No

All No answers must be addressed in an attached 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: Roxanne L Connor Position: Technical Services

Printed Name: Roxanne L Connor Date: 9/22/04

ANALYTICAL REPORT

CDM Camp Dresser & McKee 10250
ANDREW POWERS
50 HAMPSHIRE ST
CAMBRIDGE, MA 02139

Lab Number: 04-A141742
Sample ID: INF 9-9-04
Sample Type: Water

Project Name: EXXONMOBIL 01-F3V
Sampler: RYAN BOULDIN

Date Collected: 9/ 9/04
Time Collected: 13:00
Date Received: 9/15/04
Time Received: 8:10
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VOLATILE ORGANICS MCP CAM 8021									
Benzene	3.60	ug/L	1.00	1	9/22/04	15:07	I. Ahmed	8021B	6252
Toluene	10.8	ug/L	1.0	1	9/22/04	15:07	I. Ahmed	8021B	6252
Ethylbenzene	1.3	ug/L	1.0	1	9/22/04	15:07	I. Ahmed	8021B	6252
Xylenes (Total)	80.9	ug/L	3.0	1	9/22/04	15:07	I. Ahmed	8021B	6252
Methyl-t-butylether	20.1	ug/L	1.0	1	9/22/04	15:07	I. Ahmed	8021B	6252

Surrogate	% Recovery	Target Range
BTEX/GRO Surr., a,a,a-TFT	109.	70 - 130

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 04-A141742
Sample ID: INF 9-9-04
Project:
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Miscellaneous Parameter									
TRPH IR water	0.225	mg/l	0.1	1	9/21/04	13:33	J. Davis	418.1	277

End of Sample Report.

PROJECT QUALITY CONTROL DATA

Lab SDG #:389414.

Project Name:EXXONMOBIL 01-F3V.

Page: 1

Laboratory Receipt Date: 9/15/04

Matrix Spike/Matrix Spike Duplicate Recoveries

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
BTEX/GRO Surr., a,a,a-TFT	% Recovery				110	70 - 130	6234	
BTEX/GRO Surr., a,a,a-TFT	% Recovery				107	70 - 130	6234	
MISC PARAMETERS								
TRPH IR water	mg/l	< 0.100	20.2	20.0	101	94. - 110.	279	blank
TRPH IR water	mg/l	< 0.100	20.3	20.0	102	94. - 110.	279	M:blank
TRPH IR water	mg/l	< 0.100	19.6	20.0	98	94. - 110.	277	blank
TRPH IR water	mg/l	< 0.100	19.7	20.0	98	94. - 110.	277	M:blank

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Lab SDG # : 389414

Project Name: EXXONMOBIL 01-F3V.

Page: 2

Laboratory Receipt Date: 9/15/04

Matrix Spike Duplicate RPD's

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
EPH/VPH PARAMETERS						
Benzene	mg/l	0.0662	0.0582	12.86	30.	6234
Toluene	mg/l	0.0769	0.0778	1.16	37.	6234
Ethylbenzene	mg/l	0.0609	0.0534	13.12	38.	6234
Xylenes (Total)	mg/l	0.254	0.245	3.61	33.	6234
Methyl-t-butylether	mg/l	0.0703	0.0756	7.27	34.	6234
BTEX/GRO Surr., a,a,a-TFT	% Recovery		107.			6234
TRPH IR water	mg/l	20.2	20.3	0.49	20.	278
TRPH IR water	mg/l	19.6	19.7	0.51	20.	277

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Lab SDG # : 389414

Project Name: EXXONMOBIL 01-F3V.

Page: 3

Laboratory Receipt Date: 9/15/04

Laboratory Control Sample Recoveries

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
EPH/VPH PARAMETERS						
Benzene	mg/l	0.100	0.108	108	70 - 130	6234
Benzene	mg/l	0.100	0.0979	98	70 - 130	6252
Toluene	mg/l	0.100	0.107	107	70 - 130	6234
Toluene	mg/l	0.100	0.0925	92	70 - 130	6252
Ethylbenzene	mg/l	0.100	0.106	106	70 - 130	6234
Ethylbenzene	mg/l	0.100	0.0935	94	70 - 130	6252
Xylenes (Total)	mg/l	0.200	0.212	106	70 - 130	6234
Xylenes (Total)	mg/l	0.200	0.183	92	70 - 130	6252
Methyl-t-butylether	mg/l	0.100	0.0967	97	70 - 130	6234
Methyl-t-butylether	mg/l	0.100	0.0998	100	70 - 130	6252
BTEX/GRO Surr., a,a,a-TPT	% Recovery			108	70 - 130	6234
BTEX/GRO Surr., a,a,a-TPT	% Recovery			114	70 - 130	6252
MISC PARAMETERS						
TRPH IR water	mg/l	20.0	20.3	102	90 - 111	278
TRPH IR water	mg/l	20.0	19.7	98	90 - 111	277

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Lab SDG # : 389414

Project Name: EXXONMOBIL 01-F3V.

Page: 4

Laboratory Receipt Date: 9/15/04

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
---------	-------	------------	-----------	-----	-------	------------	--------------

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Lab SDG # : 389414

Project Name: EXXONMOBIL 01-F3V.

Page: 5

Laboratory Receipt Date: 9/15/04

Method Blank Results

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
EPH/VPH PARAMETERS					
Benzene	0.00040	mg/l	6234	9/21/04	23:34
Benzene	< 0.00019	mg/l	6252	9/22/04	12:56
Toluene	0.0010	mg/l	6234	9/21/04	23:34
Toluene	< 0.0002	mg/l	6252	9/22/04	12:56
Ethylbenzene	0.0002	mg/l	6234	9/21/04	23:34
Ethylbenzene	< 0.0002	mg/l	6252	9/22/04	12:56
Xylenes (Total)	< 0.0005	mg/l	6234	9/21/04	23:34
Xylenes (Total)	< 0.0005	mg/l	6252	9/22/04	12:56
Methyl-t-butylether	< 0.0002	mg/l	6234	9/21/04	23:34
Methyl-t-butylether	0.0003	mg/l	6252	9/22/04	12:56
TRPH IR water	< 0.100	mg/l	278	9/20/04	17:17
TRPH IR water	< 0.100	mg/l	277	9/21/04	13:33
BTEX/GRO Surr., a,a,a-TFT	106.	% Recovery	6234	9/21/04	23:34
BTEX/GRO Surr., a,a,a-TFT	109.	% Recovery	6252	9/22/04	12:56

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 389414

Nashville Division

COOLER RECEIPT FORM

BC#



Client Name : CDM

Cooler Received/Opened On: 10/30/04 Accessed By: Benjamin C. Wright

[Signature]
Log-in Personnel Signature

1. Temperature of Cooler when triaged: 18 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
a. If yes, how many, what kind and where: 1 - FRONT
3. Were custody seals on containers and intact?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

If not, record standard ID of preservative used here _____

17. Was residual chlorine present?..... NO...YES... NA

18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

5216/4344/4333/9210/5227

Fed-Ex UPS Velocity Airborne Route Off-street Misc.

19. If a Non-Conformance exists, see attached or comments below:

11/ 3/04

CASE NARRATIVE

CDM Camp Dresser & McKee 10247
D CURRY
50 HAMPSHIRE ST
CAMBRIDGE, MA 02139

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 01-F3V

Laboratory Project Number:394934.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. These results relate only to the items tested, and this report may not be reproduced except in full and with the permission of the Laboratory. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation. This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Sample Identification	Lab Number	Page 1 Collection Date
-----	-----	-----
Trip Blank	04-A168957	
MW-3	04-A168958	10/28/04
INF	04-A168959	10/28/04
MID	04-A168960	10/28/04
EFF	04-A168961	10/28/04

CASE NARRATIVE:

All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times.

All no responses from the attached "MCP Response Action Analytical Report.

Sample Identification	Lab Number	Collection Date
-----	-----	-----

Certification Form" are addressed below.

F. The full MCP Volatiles CAM analyte list was not reported. Only those analytes requested on the chain of custody by the client were reported.

EPH/VPH QUALIFICATIONS

Hydrocarbon range data exclude concentrations of any surrogate and internal standards eluting in that range.
VPH C5-C8 Aliphatic hydrocarbons exclude the concentration of target analytes in that range.
VPH C9-C12 Aliphatic hydrocarbons exclude target analytes eluting in that range AND concentration of C9-C10 aromatic hydrocarbons. Adjusted C5-C8 Aliphatic Hydrocarbon range excludes the concentrations of Benzene, Toluene, and MTBE. Adjusted C9-C12 Aliphatic Hydrocarbon range excludes the concentration of Ethylbenzene, m-, p-, and o- Xylene, and the C9-C10 Aromatic Hydrocarbon values.

Laboratory Certification Number: M-TN032

Additional Laboratory Footnotes:

ND = Not detected at the report limit.

B = Analyte was detected in the method blank.

J = Estimated Value below Report Limit.

E = Estimated Value above the calibration limit of the instrument.

= Recovery outside Laboratory historical or method prescribed limits.

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name: TestAmerica Analytical Testing Corp. Project #: 394934

Project Location: 01-F3V, Lee MADEP RTN:

This Form provides certifications for the following data set: Lab SDG # 394934
Laboratory Sample ID's 04-A 168957 through 04-A 168961

Sample Matrices: Groundwater Soil/Sediment Drinking Water Other

MCP SW-846 8260B 8151A 8330 6010B 7470A/1A

Methods Used 8270C 8081A VPH 6020 9014M

8082 8021B EPH 7000 S Other

An affirmative response to questions A, B, and C 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
- 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
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? Yes No
- D. VPH and EPH methods only: Was the EPH or VPH method run without significant modifications, as specified in section 11.3? Yes No

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? Yes No
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? Yes No

All No answers must be addressed in an attached 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: Roxanne L. Connor Position: Technical Services

Printed Name: Roxanne L. Connor Date: 11/ 3/04

ANALYTICAL REPORT

CDM Camp Dresser & McKee 10247
 D CURRY
 50 HAMPSHIRE ST
 CAMBRIDGE, MA 02139

Lab Number: 04-A168957
 Sample ID: Trip Blank
 Sample Type: Water

Project Name: EXXONMOBIL 01-F3V
 Matrix: Water
 Receipt Temperature: 1.8 degrees C
 Container condition: Good
 Sampler: RYAN BOULDIN

Date Collected:
 Time Collected:
 Date Received: 10/30/04

Time Received: 8:00
 Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MADEP VPH									
VPH Preservation pH:	< 2.00								
Benzene	ND	ug/L	1.00	1	10/31/04	16:42	J. Redmond	VPH-98-1	6137
Toluene	ND	ug/L	3.0	1	10/31/04	16:42	J. Redmond	VPH-98-1	6137
Ethylbenzene	ND	ug/L	1.0	1	10/31/04	16:42	J. Redmond	VPH-98-1	6137
o-Xylene	ND	ug/L	2.0	1	10/31/04	16:42	J. Redmond	VPH-98-1	6137
mp-Xylene	ND	ug/L	4.0	1	10/31/04	16:42	J. Redmond	VPH-98-1	6137
Methyl-t-butylether	ND	ug/L	3.0	1	10/31/04	16:42	J. Redmond	VPH-98-1	6137
Naphthalene	ND	ug/L	5.0	1	10/31/04	16:42	J. Redmond	VPH-98-1	6137
Unadj VPH C5-C8 Aliph	ND	ug/L	100.	1	10/31/04	16:42	J. Redmond	VPH-98-1	6137
Unadj VPH C9-C12 Aliph	ND	ug/L	100.	1	10/31/04	16:42	J. Redmond	VPH-98-1	6137
VPH C5-C8 Aliphatics	ND	ug/L	100.	1	10/31/04	16:42	J. Redmond	VPH-98-1	6137
VPH C9-C12 Aliphatics	ND	ug/L	100.	1	10/31/04	16:42	J. Redmond	VPH-98-1	6137
VPH C9-C10 Aromatics	ND	ug/L	100.	1	10/31/04	16:42	J. Redmond	VPH-98-1	6137

Surrogate	% Recovery	Target Range
VPH Surr-2,5-Dibromotoluene (PID)	105.	70 - 130

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 04-A168957
Sample ID: Trip Blank
Project:
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VPH surr-2,5-Dibromotoluene (FID)			97.		70 - 130				

End of Sample Report.

ANALYTICAL REPORT

CDM Camp Dresser & McKee 10247
D CURRY
50 HAMPSHIRE ST
CAMBRIDGE, MA 02139

Lab Number: 04-A168959
Sample ID: INF
Sample Type: Water

Date Collected: 10/28/04
Time Collected: 10:30
Date Received: 10/30/04

Project Name: EXXONMOBIL 01-F3V
Matrix: Water
Receipt Temperature: 1.8 degrees C
Container condition: Good
Sampler: RYAN BOULDIN

Time Received: 8:00
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
MADEP VPH									
VPH Preservation pH:	< 2.00								
Benzene	7.90	ug/L	1.00	1	11/ 1/04	0:35	J. Redmond	VPH-98-1	6137
Toluene	5.7	ug/L	3.0	1	11/ 1/04	0:35	J. Redmond	VPH-98-1	6137
Ethylbenzene	3.9	ug/L	1.0	1	11/ 1/04	0:35	J. Redmond	VPH-98-1	6137
o-Xylene	11.8	ug/L	2.0	1	11/ 1/04	0:35	J. Redmond	VPH-98-1	6137
mp-Xylene	17.9	ug/L	4.0	1	11/ 1/04	0:35	J. Redmond	VPH-98-1	6137
Methyl-t-butylether	30.4	ug/L	3.0	1	11/ 1/04	0:35	J. Redmond	VPH-98-1	6137
Naphthalene	7.1	ug/L	5.0	1	11/ 1/04	0:35	J. Redmond	VPH-98-1	6137
Unadj VPH C5-C8 Aliph	ND	ug/L	100.	1	11/ 1/04	0:35	J. Redmond	VPH-98-1	6137
Unadj VPH C9-C12 Aliph	101.	ug/L	100.	1	11/ 1/04	0:35	J. Redmond	VPH-98-1	6137
VPH C5-C8 Aliphatics	ND	ug/L	100.	1	11/ 1/04	0:35	J. Redmond	VPH-98-1	6137
VPH C9-C12 Aliphatics	ND	ug/L	100.	1	11/ 1/04	0:35	J. Redmond	VPH-98-1	6137
VPH C9-C10 Aromatics	ND	ug/L	100.	1	11/ 1/04	0:35	J. Redmond	VPH-98-1	6137

Surrogate	% Recovery	Target Range
VPH Surr-2,5-Dibromotoluene (PID)	95.	70 - 130

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 04-A168959
Sample ID: INF
Project:
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
VPH surr-2,5-Dibromotoluene (FID)			99.		70 - 130				

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 04-A168959
Sample ID: INF
Project:
Page 3

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Miscellaneous Parameter									
TRPH IR water	ND	mg/l	0.1	1	11/ 2/04	14:17	J. Davis	418.1	5105

End of Sample Report.

PROJECT QUALITY CONTROL DATA

Lab SDG #:394934.

Project Name:EXXONMOBIL 01-F3V.

Page: 1

Laboratory Receipt Date: 10/30/04

Matrix Spike/Matrix Spike Duplicate Recoveries

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
MISC PARAMETERS								
TRPH IR water	mg/l	< 0.100	19.5	20.0	98	94. - 110.	5105	blank
TRPH IR water	mg/l	< 0.100	19.6	20.0	98	94. - 110.	5105	M:blank

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
 Lab SDG # : 394934
 Project Name: EXXONMOBIL 01-F3V.
 Page: 2
 Laboratory Receipt Date: 10/30/04

Matrix Spike Duplicate RPD's

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
VOA PARAMETERS						
1,2-Dibromoethane	mg/l	0.0512	0.0515	0.58	20	7299
VOA Surr 1,2-DCA-d4	% Rec		101.			7299
VOA Surr Toluene-d8	% Rec		100.			7299
VOA Surr, 4-BFB	% Rec		100.			7299
VOA Surr, DBFM	% Rec		103.			7299
TRPH IR water	mg/l	19.5	19.6	0.51	20.	5105

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Lab SDG # : 394934

Project Name: EXXONMOBIL 01-F3V.

Page: 3

Laboratory Receipt Date: 10/30/04

Laboratory Control Sample Recoveries

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
EPH/VPH PARAMETERS						
Unadj VPH C5-C8 Aliph	mg/l	0.300	0.304	101	70 - 130	6137
Unadj VPH C5-C8 Aliph	mg/l	0.300	0.267	89	70 - 130	6137
Unadj VPH C9-C12 Aliph	mg/l	0.300	0.305	102	70 - 130	6137
Unadj VPH C9-C12 Aliph	mg/l	0.300	0.266	89	70 - 130	6137
Benzene	mg/l	0.0500	0.0495	99	70 - 130	6137
Benzene	mg/l	0.0500	0.0465	93	70 - 130	6137
Toluene	mg/l	0.0500	0.0531	106	70 - 130	6137
Toluene	mg/l	0.0500	0.0497	99	70 - 130	6137
Ethylbenzene	mg/l	0.0500	0.0557	111	70 - 130	6137
Ethylbenzene	mg/l	0.0500	0.0524	105	70 - 130	6137
o-Xylene	mg/l	0.0500	0.0519	104	70 - 130	6137
o-Xylene	mg/l	0.0500	0.0500	100	70 - 130	6137
mp-Xylene	mg/l	0.100	0.105	105	70 - 130	6137
mp-Xylene	mg/l	0.100	0.0976	98	70 - 130	6137
VPH C5-C8 Aliphatics	mg/l	0.300	0.304	101	70 - 130	6137
VPH C5-C8 Aliphatics	mg/l	0.300	0.267	89	70 - 130	6137
VPH C9-C12 Aliphatics	mg/l	0.300	0.305	102	70 - 130	6137
VPH C9-C12 Aliphatics	mg/l	0.300	0.266	89	70 - 130	6137
VPH C9-C10 Aromatics	mg/l	5.00	5.14	103	70 - 130	6137
VPH C9-C10 Aromatics	mg/l	5.00	4.53	91	70 - 130	6137
Methyl-t-butylether	mg/l	0.0500	0.0492	98	70 - 130	6137
Methyl-t-butylether	mg/l	0.0500	0.0475	95	70 - 130	6137
Naphthalene	mg/l	0.0500	0.0435	87	70 - 130	6137
Naphthalene	mg/l	0.0500	0.0456	91	70 - 130	6137

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
 Lab SDG # : 394934
 Project Name: EXXONMOBIL 01-F3V.
 Page: 4
 Laboratory Receipt Date: 10/30/04

Laboratory Control Sample Recoveries

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
1,2-Dibromoethane	mg/l	0.0500	0.0539	108	70 - 130	7299
VOA Surr 1,2-DCA-d4	% Rec			103	70 - 130	7299
VOA Surr Toluene-d8	% Rec			102	70 - 130	7299
VOA Surr, 4-BFB	% Rec			100	70 - 130	7299
VOA Surr, DBFM	% Rec			104	70 - 130	7299
MISC PARAMETERS						
TRPH IR water	mg/l	20.0	19.7	98	90 - 111	5105

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Lab SDG # : 394934

Project Name: EXXONMOBIL 01-F3V.

Page: 5

Laboratory Receipt Date: 10/30/04

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
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Project QC continued . . .

PROJECT QUALITY CONTROL DATA
 Lab SDG # : 394934
 Project Name: EXXONMOBIL 01-F3V.
 Page: 6
 Laboratory Receipt Date: 10/30/04

Method Blank Results

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
EPH/VPH PARAMETERS					
Unadj VPH C5-C8 Aliph	< 0.100	mg/l	6137	10/31/04	16:09
Unadj VPH C9-C12 Aliph	< 0.100	mg/l	6137	10/31/04	16:09
Benzene	< 0.00100	mg/l	6137	10/31/04	16:09
Toluene	< 0.0030	mg/l	6137	10/31/04	16:09
Ethylbenzene	< 0.0010	mg/l	6137	10/31/04	16:09
o-Xylene	< 0.0020	mg/l	6137	10/31/04	16:09
mp-Xylene	< 0.0040	mg/l	6137	10/31/04	16:09
VPH C5-C8 Aliphatics	< 0.100	mg/l	6137	10/31/04	16:09
VPH C9-C12 Aliphatics	< 0.100	mg/l	6137	10/31/04	16:09
VPH C9-C10 Aromatics	< 0.100	mg/l	6137	10/31/04	16:09
Methyl-t-butylether	< 0.0030	mg/l	6137	10/31/04	16:09
TRPH IR water	< 0.100	mg/l	5105	11/ 2/04	14:17
Naphthalene	< 0.0050	mg/l	6137	10/31/04	16:09
VPH Surr-2,5-Dibromotoluene (PID)	112.	‡ Recovery	6137	10/31/04	16:09
VPH surr-2,5-Dibromotoluene (FID)	102.	‡ Rec	6137	10/31/04	16:09
VOA PARAMETERS					
1,2-Dibromoethane	< 0.00040	mg/l	7299	11/ 1/04	15:15
VOA Surr 1,2-DCA-d4	101.	‡ Rec	7299	11/ 1/04	15:15
VOA Surr Toluene-d8	101.	‡ Rec	7299	11/ 1/04	15:15
VOA Surr, 4-BFB	100.	‡ Rec	7299	11/ 1/04	15:15
VOA Surr, DBFM	101.	‡ Rec	7299	11/ 1/04	15:15

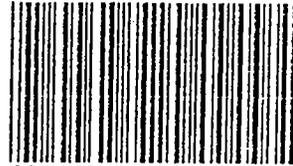
= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 394934

Nashville Division

COOLER RECEIPT FORM

BC#



407599

Client Name : UDM

Cooler Received/Opened On: 02/26/05 Accessioned By: Benjamin C. Wright

[Signature]
Log-in Personnel Signature

1. Temperature of Cooler when triaged: 5.2 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
 - a. If yes, how many and where: 1 - FRONT
3. Were custody seals on containers?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
 - b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

If not, record standard ID of preservative used here _____

17. Was residual chlorine present?..... NO...YES... NA

18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

7090

Fed-Ex UPS Velocity DHL Route Off-street Misc.

19. If a Non-Conformance exists, see attached or comments below:

3/ 4/05

CASE NARRATIVE

CDM Camp Dresser & McKee 10247
D CURRY
50 HAMPSHIRE ST
CAMBRIDGE, MA 02139

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 01-F3V

Laboratory Project Number:407599.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. These results relate only to the items tested, and this report may not be reproduced except in full and with the permission of the Laboratory. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation. This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Sample Identification	Lab Number	Page 1 Collection Date
INF	05-A27775	2/24/05
EFF	05-A27776	2/24/05
GAC MID	05-A27777	2/24/05

CASE NARRATIVE:

All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times.

All no responses from the attached "MCP Response Action Analytical Report Certification Form" are addressed below.

Sample Identification	Lab Number	Page 2 Collection Date
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F. The full MCP volatile CAM analyte list was not reported. Only those analytes requested on the chain of custody by the client were reported.

EPH/VPH QUALIFICATIONS

Laboratory Certification Number: M-TN032

Additional Laboratory Footnotes:

- ND = Not detected at the report limit.
- B = Analyte was detected in the method blank.
- J = Estimated Value below Report Limit.
- E = Estimated Value above the calibration limit of the instrument.
- # = Recovery outside Laboratory historical or method prescribed limits.

MADEP MCP Response Action ~~Analytical Report~~ Certification Form

Laboratory Name: TestAmerica Analytical Testing Corp. Project #: 407599

Subject Location: 01-F3V, ~~100~~ MADEP RTN:

This Form provides certifications for the following data set: Lab SDG # 407599
 Laboratory Sample ID's 26-A-2700 through 26-A-2707

Sample Matrices: Groundwater Soil/Sediment Drinking Water Other

8260B 8151A 8330 6010B 7470A/1A

Method SW-846 8270C 8081A VPH 6020 9014M

8082 8021B EPH 7000 S Other

An affirmative response to questions A, B, and C 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

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

C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? Yes No

D. VPH and EPH methods only: Was the EPH or VPH method run without significant modifications, as specified in section 11.3? Yes No

An affirmative 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? Yes No

F. Were results for all analyte-list compounds/elements for the specified method(s) reported? Yes No

G. All No answers must be addressed in an attached Laboratory Case Narrative

I, the undersigned, attest under the pains and penalties of perjury that, based on 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: [Handwritten Signature] Position: [Handwritten Title]
 Printed Name: [Handwritten Name] Date: 3/4/05

ANALYTICAL REPORT

CDM Camp Dresser & McKee 10247
 D CURRY
 50 HAMPSHIRE ST
 CAMBRIDGE, MA 02139

Lab Number: 05-A27775
 Sample ID: INF
 Sample Type: Water

Project Name: EXXONMOBIL 01-F3V
 Sampler: RYAN BOULDIN

Date Collected: 2/24/05
 Time Collected: 14:00
 Date Received: 2/26/05
 Time Received: 8:15
 Page: 1

Purchase Order: 14504364511

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
** Volatile Organics - 624 **									
Benzene	28.3	ug/L	1	1	2/28/05	14:26	T McCollum	624	7741
Ethylbenzene	62.1	ug/L	1	1	2/28/05	14:26	T McCollum	624	7741
Toluene	107	ug/L	1	1	2/28/05	14:26	T McCollum	624	7741
Xylenes (Total)	741	ug/L	5	5	2/28/05	15:25	T McCollum	624/SA05-1247743	
Methyl-t-butyl ether	60	ug/L	1	1	2/28/05	14:26	T McCollum	624	7741

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	106.	70 - 130
VOA Surrogate, Toluene d8	98.	70 - 130
VOA Surrogate, 4-Bromofluorobenzene	105.	70 - 130
VOA Surrogate, Dibromofluoromethane	106.	70 - 130

ANALYTICAL REPORT

Laboratory Number: 05-A27775
Sample ID: INF
Project:
Page 2

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit	Factor	Date	Time			
Miscellaneous Parameter									
TRPH IR water	0.948	mg/l	0.1	1	3/ 3/05	18:55	J. Davis	418.1	7789

End of Sample Report.

PROJECT QUALITY CONTROL DATA

Lab SDG #: 407599.

Project Name: EXXONMOBIL 01-F3V.

Page: 1

Laboratory Receipt Date: 2/26/05

Matrix Spike/Matrix Spike Duplicate Recoveries

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
MISC PARAMETERS								
TRPH IR water	mg/l	< 0.100	20.3	20.0	102	94. - 110.	7789	blank
TRPH IR water	mg/l	< 0.100	20.3	20.0	102	94. - 110.	7789	M:blank

PROJECT QUALITY CONTROL DATA
Lab SDG # : 407599
Project Name: EXXONMOBIL 01-F3V.
Page: 2
Laboratory Receipt Date: 2/26/05

Matrix Spike Duplicate RPD's

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
TRPH IR water	mg/l	20.3	20.3	0.00	20.	7729

PROJECT QUALITY CONTROL DATA

Lab SDG # : 407599

Project Name: EXXONMOBIL 01-F3V.

Page: 3

Laboratory Receipt Date: 2/26/05

Laboratory Control Sample Recoveries

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0500	0.0510	102	70 - 130	7741
Ethylbenzene	mg/l	0.0500	0.0532	108	70 - 130	7741
Toluene	mg/l	0.0500	0.0523	105	70 - 130	7741
Xylenes (Total)	mg/l	0.150	0.166	111	70 - 130	7741
Xylenes (Total)	mg/l	0.150	0.166	111	70 - 130	7743
Methyl-t-butyl ether	mg/l	0.0500	0.0530	106	70 - 130	7741
VOA Surrogate, 1,2-Dichloroethane	% Rec			109	70 - 130	7741
VOA Surrogate, 1,2-Dichloroethane	% Rec			109	70 - 130	7743
VOA Surrogate, Toluene d8	% Rec			103	70 - 130	7741
VOA Surrogate, Toluene d8	% Rec			103	70 - 130	7743
VOA Surrogate, 4-Bromofluorobenzene	% Rec			95	70 - 130	7741
VOA Surrogate, 4-Bromofluorobenzene	% Rec			95	70 - 130	7743
VOA Surrogate, Dibromofluorobenzene	% Rec			107	70 - 130	7741
VOA Surrogate, Dibromofluorobenzene	% Rec			107	70 - 130	7743
MISC PARAMETERS						
TRPH IR water	mg/l	20.0	20.4	102	90 - 111	7789

Test America

ANALYTICAL TESTING CORPORATION

2960 FOSTER CREIGHTON DRIVE • NASHVILLE, TENNESSEE 37204
800-765-0980 • 615-726-3404 FAX

PROJECT QUALITY CONTROL DATA
Lab SDG # : 407599
Project Name: EXXONMOBIL 01-F3V.
Page: 4
Laboratory Receipt Date: 2/26/05

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dug'd
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Project QC continued . . .

Test America

ANALYTICAL TESTING CORPORATION

2960 PASTER CRIGHTON DRIVE • NASHVILLE, TENNESSEE 37204

800-765-0980 • 615-726-3404 FAX

PROJECT QUALITY CONTROL DATA

Lab SDG # : 407599

Project Name: EXXONMOBIL 01-F3V.

Page: 5

Laboratory Receipt Date: 2/26/05

Method Blank Results

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
EPH/VPH PARAMETERS					
TRPH IR water	< 0.100	mg/l	7789	3/ 3/05	18:55
VOA PARAMETERS					
Benzene	< 0.00020	mg/l	7741	2/28/05	1:14
Ethylbenzene	< 0.00020	mg/l	7741	2/28/05	1:14
Toluene	< 0.00020	mg/l	7741	2/28/05	1:14
Xylenes (Total)	< 0.00040	mg/l	7741	2/28/05	1:14
Xylenes (Total)	< 0.00040	mg/l	7743	2/28/05	1:14
Methyl-t-butyl ether	< 0.00010	mg/l	7741	2/28/05	1:14
VOA Surrogate, 1,2-Dichloroethane, d4121.		% Rec	7741	2/28/05	1:14
VOA Surrogate, 1,2-Dichloroethane, d4121.		% Rec	7743	2/28/05	1:14
VOA Surrogate, Toluene d8	101.	% Rec	7741	2/28/05	1:14
VOA Surrogate, Toluene d8	101.	% Rec	7743	2/28/05	1:14
VOA Surrogate, 4-Bromofluorobenzene	114.	% Rec	7741	2/28/05	1:14
VOA Surrogate, 4-Bromofluorobenzene	114.	% Rec	7743	2/28/05	1:14
VOA Surrogate, Dibromofluoromethane	114.	% Rec	7741	2/28/05	1:14
VOA Surrogate, Dibromofluoromethane	114.	% Rec	7743	2/28/05	1:14

= Value outside Laboratory historical or method prescribed QC limits.

Nashville Division

COOLER RECEIPT FORM

BC#



Client Name : CDM

Cooler Received/Opened On: 05/05/05 Accessioned By: Benjamin C. Wright

[Signature]
Log-in Personnel Signature

1. Temperature of Cooler when triaged: 48 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
a. If yes, how many and where: 1-FRONT
3. Were custody seals on containers ?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None zip-lock baggies
Foam insert
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

If not, record standard ID of preservative used here _____

17. Was residual chlorine present?..... NO...YES... NA

18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

6450

Fed-Ex UPS Velocity DHL Route Off-street Misc.

19. If a Non-Conformance exists, see attached or comments below:

* OLD CUSTODY SEAL FROM 4/29/05
* SAMPLE "MID" HAD VOA'S MISSING

Sample NonConformance/COC Revision Form

Initiated by:	Bwright	Phone:	617 452 6579	NC Closed	<input checked="" type="checkbox"/>
Client Name:	CDM Camp Dress	Sample Range:	63702-04	Date Closed	5/10/2005
Client Contact:		SDG:	415071		
Client Account:	10247	Analyst:	280		
Date Created:	5/5/2005	Supervisor:	Paul Buckingham		
NC #:	63704	NC Type:	NC Analytical 1		
Project Name:	EXXONMOBL 01-F3V	Terminal Manager:	DAVID BAKER		
Project Number:	01-F3V				
Project Origin	MA				
Regulatory :					

Process: Account #	Corrected By: Dorothy Roberts
Action: Account Number Provided in Comments	Closed: <input checked="" type="checkbox"/> droberts
<hr/>	
Process: Verify analysis/method/compound requested	Corrected By: Dorothy Roberts
Action: Clarifications of Special Instructions/COC provided by client	Closed: <input checked="" type="checkbox"/> droberts
<hr/>	
Process: Sample Containers missing from Cooler - checked twice (See Comments)	Corrected By: Dorothy Roberts
Action: Client Notified	Closed: <input checked="" type="checkbox"/> droberts

Comments: Comment added by: Bwright on 5/10/2005 8:02:30 AM
DONE

 Comment added by: droberts on 5/9/2005 9:33:45 AM
 -----Original Message-----
 From: Dorothy Roberts
 Sent: Monday, May 09, 2005 9:32 AM
 To: 'Curry, Diane'
 Subject: RE: 01F3V Lee 415071 NC 27772

Thank you for responding. I've attached the chain for your reference. The chain didn't indicate a method for the BTEX/MTBE. I'll have the method added of 624. The containers that were missing were the 3 vials for the sample MID. We did receive the liter for the 418.1 on MID.

I hope you had a great weekend,

Dorothy
 -----Original Message-----
 From: Curry, Diane [mailto:CurryDM@cdm.com]
 Sent: Monday, May 09, 2005 9:25 AM
 To: Dorothy Roberts
 Subject: 01F3V Lee

Hi Dorothy,

We have a new site engineer working on this site -

The samples you received are monthly NPDES compliance samples (SDG 415071) from the groundwater treatment system. You should have received an influent, midpoint and effluent sample for the following analyses:

VOCs via 624 (water samples)
TPH via 418.1 (water samples)

What bottles are you missing?

Regards,
Diane

Diane M. Curry

Comment added by: droberts on 5/9/2005 9:33:33 AM
VOA by 624

Comment added by: droberts on 5/9/2005 9:33:20 AM
10247, Baker

Comment added by: droberts on 5/9/2005 9:08:05 AM
called LM for D. Currey as well

Comment added by: droberts on 5/9/2005 9:04:07 AM
called: LM

Comment added by: droberts on 5/6/2005 11:07:33 AM
called Chris; left msg

SAMPLE "MID" HAD NO VOAS. VERIFY BTEX & MTBE METHOD.

5/16/05

CASE NARRATIVE

CDM Camp Dresser & McKee 10247
C HAYWARD
50 HAMPSHIRE ST
CAMBRIDGE, MA 02139

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 01-F3V
Project Number: 01-F3V.
Laboratory Project Number: 415071.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. These results relate only to the items tested, and this report may not be reproduced except in full and with the permission of the Laboratory. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation. This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Sample Identification	Lab Number	Page 1 Collection Date
INF	05-A63702	5/ 3/05
MID	05-A63703	5/ 3/05
BFF	05-A63704	5/ 3/05

CASE NARRATIVE:

All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times.

All no responses from the attached "MCP Response Action Analytical Report Certification Form" are addressed below.

Sample Identification	Lab Number	Page 2 Collection Date
-----	-----	-----

A. For sample 05-A63703 (Mid), the laboratory did not receive the VOA vials for the BTEX/MTBE analysis. The client was notified.

F. The full MCP volatile CAM analyte list was not reported. Only those analytes requested on the chain of custody by the client were reported.

EPH/VPH QUALIFICATIONS

Laboratory Certification Number: M-TN032

Additional Laboratory Footnotes:

- ND = Not detected at the report limit.
- B = Analyte was detected in the method blank.
- J = Estimated Value below Report Limit.
- E = Estimated Value above the calibration limit of the instrument.
- # = Recovery outside Laboratory historical or method prescribed limits.

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name: TestAmerica Analytical Testing Corp. Project #: 415071

Project Location: 01-F3V; Lee MADEP RTN:

This Form provides certifications for the following data set: Lab SDG # 415071

Laboratory Sample ID's 05-A 63702 through 05-A 63704

Sample Matrices: Groundwater Soil/Sediment Drinking Water Other

MCP SW-846 8260B 8151A 8330 6010B 7470A/1A

Methods Used 8270C 8081A VPH 6020 9014M

8082 8021B EPH 7000 S Other

An affirmative response to questions A, B, and C 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

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

C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? Yes No

D. VPH and EPH methods only: Was the EPH or VPH method run without significant modifications, as specified in section 11.3? Yes No

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? Yes No

F. Were results for all analyte-list compounds/elements for the specified method(s) reported? Yes No

All No answers must be addressed in an attached 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: [Handwritten Signature] Position: Senior Project Manager

Printed Name: Carol A. Lopez Date: 5/12/05

ANALYTICAL REPORT

CDM Camp Dresser & McKee 10247
 C HAYWARD
 50 HAMPSHIRE ST
 CAMBRIDGE, MA 02139

Lab Number: 05-A63702
 Sample ID: INF
 Sample Type: Water

Project Name: EXXONMOBIL 01-F3V
 Sampler: JOHN CHUAZIK

Date Collected: 5/ 3/05
 Time Collected: 14:45
 Date Received: 5/ 5/05
 Time Received: 7:00
 Page: 1

Purchase Order: 4505886811

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
** Volatile Organics - 624 **									
Benzene	1.70	ug/L	1.00	1.00	5/10/05	18:58	T McCollum	624	2545
Ethylbenzene	1.00	ug/L	1.00	1.00	5/10/05	18:58	T McCollum	624	2545
Toluene	1.40	ug/L	1.00	1.00	5/10/05	18:58	T McCollum	624	2545
Xylenes (Total)	6.30	ug/L	1.00	1.00	5/10/05	18:58	T McCollum	624/SA05-1242545	
Methyl-t-butyl ether	13.6	ug/L	1.00	1.00	5/10/05	18:58	T McCollum	624	2545

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	101.	70 - 130
VOA Surrogate, Toluene d8	100.	70 - 130
VOA Surrogate, 4-Bromofluorobenzene	106.	70 - 130
VOA Surrogate, Dibromofluoromethane	107.	70 - 130

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 05-A63702
Sample ID: INF
Project: 01-F3V
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Miscellaneous Parameter									
TRPH IR water	ND	mg/l	0.100	1.00	5/ 9/05	18:00	J. Davis	418.1	8620

SAMPLE COMMENTS

The 624 volatile analysis was performed from a headspace vial. The sample was originally log-in and analyzed for method 602 and this sample was used for the 602 matrix spike/matrix spike duplicate. The 602 results were as follows:

Benzene = 3.1 ug/L
Toluene = 2.6 ug/L
Ethylbenzene = 2.4 ug/L
Xylene = 17.1 ug/L
MTBE = 18.3 ug/L

End of Sample Report.

PROJECT QUALITY CONTROL DATA
 Lab SDG #:415071.
 Project Name:EXXONMOBIL 01-F3V.
 Page: 1
 Laboratory Receipt Date: 5/ 5/05

Matrix Spike/Matrix Spike Duplicate Recoveries

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
BTEX/GRO Surr., a,a,a-TFT	% Recovery				87	70 - 130	3760	
BTEX/GRO Surr., a,a,a-TFT	% Recovery				88	70 - 130	3760	
MISC PARAMETERS								
TRPH IR water	mg/l	< 0.100	20.3	20.0	102	94. - 110.	8620	blank
TRPH IR water	mg/l	< 0.100	20.4	20.0	102	94. - 110.	8620	M:blank

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Lab SDG # : 415071

Project Name: EXXONMOBIL 01-F3V.

Page: 2

Laboratory Receipt Date: 5/ 5/05

Matrix Spike Duplicate RPD's

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
BTEX/GRO Surr., a,a,a-TFT	% Recovery		88.			3760
TRPH IR water	mg/l	20.3	20.4	0.49	20.	8620

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
 Lab SDG # : 415071
 Project Name: EXXONMOBIL 01-F3V.
 Page: 3
 Laboratory Receipt Date: 5/ 5/05

Laboratory Control Sample Recoveries

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
BTEX/GRO Surr., a,a,a-TFT	% Recovery			92	70 - 130	3760
VOA PARAMETERS						
Benzene	mg/l	0.0500	0.0451	90	70 - 130	2545
Ethylbenzene	mg/l	0.0500	0.0498	100	70 - 130	2545
Toluene	mg/l	0.0500	0.0500	100	70 - 130	2545
Xylenes (Total)	mg/l	0.150	0.153	102	70 - 130	2545
Methyl-t-butyl ether	mg/l	0.0500	0.0440	88	70 - 130	2545
VOA Surrogate, 1,2-Dichloroethane d4	% Rec			94	70 - 130	2545
VOA Surrogate, Toluene d8	% Rec			108	70 - 130	2545
VOA Surrogate, 4-Bromofluorobenzene	% Rec			95	70 - 130	2545
VOA Surrogate, Dibromofluorobenzene	% Rec			103	70 - 130	2545
MISC PARAMETERS						
TRPH IR water	mg/l	20.0	20.5	102	90 - 111	8620

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Lab SDG # : 415071

Project Name: EXXONMOBIL 01-F3V.

Page: 4

Laboratory Receipt Date: 5/ 5/05

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
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Project QC continued . . .

PROJECT QUALITY CONTROL DATA
 Lab SDG # : 415071
 Project Name: EXXONMOBIL 01-F3V.
 Page: 5
 Laboratory Receipt Date: 5/ 5/05

Method Blank Results

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
EPH/VPH PARAMETERS					
TRPH IR water	< 0.100	mg/l	8620	5/ 9/05	18:00
BTEX/GRO Surr., a,a,a-TFT	74.	% Recovery	3760	5/ 9/05	19:25
VOA PARAMETERS					
Benzene	< 0.00020	mg/l	2545	5/10/05	17:59
Ethylbenzene	< 0.00020	mg/l	2545	5/10/05	17:59
Toluene	< 0.00020	mg/l	2545	5/10/05	17:59
Xylenes (Total)	< 0.00040	mg/l	2545	5/10/05	17:59
Methyl-t-butyl ether	< 0.00010	mg/l	2545	5/10/05	17:59
VOA Surrogate, 1,2-Dichloroethane, d4 98.		% Rec	2545	5/10/05	17:59
VOA Surrogate, Toluene d8	102.	% Rec	2545	5/10/05	17:59
VOA Surrogate, 4-Bromofluorobenzene	121.	% Rec	2545	5/10/05	17:59
VOA Surrogate, Dibromofluoromethane	104.	% Rec	2545	5/10/05	17:59

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 415071

7/27/05

CASE NARRATIVE

CDM Camp Dresser & McKee 10247
JON WELCH/JIM ZIGMONT
50 HAMPSHIRE ST
CAMBRIDGE, MA 02139

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name: EXXONMOBIL 01-F3V
Project Number: 01-F3V.
Laboratory Project Number: 424049.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. These results relate only to the items tested, and this report may not be reproduced except in full and with the permission of the Laboratory. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation. This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Sample Identification	Lab Number	Page 1 Collection Date
EFF	05-A107114	7/22/05
GAC MID	05-A107115	7/22/05
INF	05-A107116	7/22/05

CASE NARRATIVE:

All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times.

All no responses from the attached "MCP Response Action Analytical Report Certification Form" are addressed below.

Sample Identification

Lab Number

Page 2
Collection Date

F. The full MCP volatile CAM analyte list was not reported. Only those analytes requested on the chain of custody by the client were reported.

EPH/VPH QUALIFICATIONS

Laboratory Certification Number: M-TN032

Additional Laboratory Footnotes:

- ND = Not detected at the report limit.
- B = Analyte was detected in the method blank.
- J = Estimated Value below Report Limit.
- E = Estimated Value above the calibration limit of the instrument.
- # = Recovery outside Laboratory historical or method prescribed limits.

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name: TestAmerica Analytical Testing Corp. Project #: 424049

Project Location: 01-F3V, MADEP RTN:

This Form provides certifications for the following data set: Lab SDG # 424049
 Laboratory Sample ID's 05-A 10714 through 05-A 10716

Sample Matrices: Groundwater Soil/Sediment Drinking Water Other

MCP SW-846 8260B 8151A 8330 6010B 7470A/1A

Methods Used 8270C 8081A VPH 6020 9014M

8082 8021B EPH 7000 S Other

An affirmative response to questions A, B, and C 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
- 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
- C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? Yes No
- D. VPH and EPH methods only: Was the EPH or VPH method run without significant modifications, as specified in section 11.3? Yes No *N/A*

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? Yes No
- F. Were results for all analyte-list compounds/elements for the specified method(s) reported? Yes No

All No answers must be addressed in an attached 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: *Cocci A. Lopez*

Position: *Senior Project Manager*

Printed Name: *Cocci A. Lopez*

Date: *7/27/05*

ANALYTICAL REPORT

CDM Camp Dresser & McKee 10247
JON WELCH/JIM ZIGMONT
50 HAMPSHIRE ST
CAMBRIDGE, MA 02139

Lab Number: 05-A107116
Sample ID: INF
Sample Type: Water

Project Name: EXXONMOBIL 01-F3V
Sampler: RYAN BOULDIN

Date Collected: 7/22/05
Time Collected: 12:30
Date Received: 7/26/05
Time Received: 7:45
Page: 1

Purchase Order: 4505886811

Analyte	Result	Units	Report	Dil	Analysis		Analyst	Method	Batch
			Limit		Factor	Date			
** Volatile Organics - 624 **									
Benzene	4.20	ug/L	1.00	1.00	7/26/05	15:36	A. Steimle	624	6143
Ethylbenzene	3.30	ug/L	1.00	1.00	7/26/05	15:36	A. Steimle	624	6143
Toluene	12.3	ug/L	1.00	1.00	7/26/05	15:36	A. Steimle	624	6143
Xylenes (Total)	48.8	ug/L	1.00	1.00	7/26/05	15:36	A. Steimle	624/SA05-1245143	
Methyl-t-butyl ether	11.2	ug/L	1.00	1.00	7/26/05	15:36	A. Steimle	624	6143

Surrogate	% Recovery	Target Range
VOA Surrogate, 1,2-Dichloroethane, d4	92.	70 - 130
VOA Surrogate, Toluene d8	92.	70 - 130
VOA Surrogate, 4-Bromofluorobenzene	99.	70 - 130
VOA Surrogate, Dibromofluoromethane	98.	70 - 130

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 05-A107116
Sample ID: INF
Project: 01-F3V
Page 2

Analyte	Result	Units	Report Limit	Dil Factor	Analysis Date	Analysis Time	Analyst	Method	Batch
Miscellaneous Parameter									
TRPH IR water	0.110	mg/l	0.100	1.00	7/26/05	12:25	J. Davis	418.1	5115

End of Sample Report.

PROJECT QUALITY CONTROL DATA

Lab SDG #:424049.

Project Name:EXXONMOBIL 01-F3V.

Page: 1

Laboratory Receipt Date: 7/26/05

Matrix Spike/Matrix Spike Duplicate Recoveries

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
VOA PARAMETERS								
Benzene	mg/l	< 0.00100	0.0578	0.0500	116	70 - 130	6143	107114
Ethylbenzene	mg/l	< 0.00100	0.0526	0.0500	105	70 - 130	6143	107114
Toluene	mg/l	< 0.00100	0.0483	0.0500	97	70 - 130	6143	107114
Xylenes (Total)	mg/l	< 0.00100	0.160	0.150	107	70 - 130	6143	107114
Methyl-t-butyl ether	mg/l	< 0.00100	0.0458	0.0500	92	70 - 130	6143	107114
VOA Surrogate, 1,2-Dichloroethane	mg/l				104	70 - 130	6143	
VOA Surrogate, Toluene d8	mg/l				95	70 - 130	6143	
VOA Surrogate, 4-Bromofluorobenzene	mg/l				99	70 - 130	6143	
VOA Surrogate, Dibromofluorobenzene	mg/l				114	70 - 130	6143	
MISC PARAMETERS								
TRPH IR water	mg/l	< 0.100	19.7	20.0	98	94. - 110.	5115	blank
TRPH IR water	mg/l	< 0.100	19.8	20.0	99	94. - 110.	5115	M:blank

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Lab SDG # : 424049

Project Name: EXXONMOBIL 01-F3V.

Page: 2

Laboratory Receipt Date: 7/26/05

Matrix Spike Duplicate RPD's

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
TRPH IR water	mg/l	19.7	19.8	0.51	20.	5115

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
 Lab SDG # : 424049
 Project Name: EXXONMOBIL 01-F3V.
 Page: 3
 Laboratory Receipt Date: 7/26/05

Laboratory Control Sample Recoveries

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
VOA PARAMETERS						
Benzene	mg/l	0.0500	0.0483	97	70 - 130	6143
Ethylbenzene	mg/l	0.0500	0.0509	102	70 - 130	6143
Toluene	mg/l	0.0500	0.0459	92	70 - 130	6143
Xylenes (Total)	mg/l	0.150	0.157	105	70 - 130	6143
Methyl-t-butyl ether	mg/l	0.0500	0.0400	80	70 - 130	6143
VOA Surrogate, 1,2-Dichloroethane	mg/l			89	70 - 130	6143
VOA Surrogate, Toluene d8	mg/l			92	70 - 130	6143
VOA Surrogate, 4-Bromofluorobenzene	mg/l			98	70 - 130	6143
VOA Surrogate, Dibromofluorobenzene	mg/l			98	70 - 130	6143
MISC PARAMETERS						
TRPH LR water	mg/l	20.0	19.9	100	90 - 111	5115

Project QC continued . . .

PROJECT QUALITY CONTROL DATA
Lab SDG # : 424049
Project Name: EXXONMOBIL 01-F3V.
Page: 4
Laboratory Receipt Date: 7/26/05

Duplicates

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch	Sample Dup'd
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Project QC continued . . .

PROJECT QUALITY CONTROL DATA
 Lab SDG # : 424049
 Project Name: EXXONMOBIL 01-F3V.
 Page: 5
 Laboratory Receipt Date: 7/26/05

Method Blank Results

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
EPH/VPH PARAMETERS					
TRPH IR water	< 0.100	mg/l	5115	7/25/05	12:25
VOA PARAMETERS					
Benzene	< 0.00020	mg/l	6143	7/26/05	13:27
Ethylbenzene	< 0.00020	mg/l	6143	7/26/05	13:27
Toluene	< 0.00020	mg/l	6143	7/26/05	13:27
Xylenes (Total)	< 0.00040	mg/l	6143	7/26/05	13:27
Methyl-t-butyl ether	< 0.00010	mg/l	6143	7/26/05	13:27
VOA Surrogate, 1,2-Dichloroethane, d4	97.	% Rec	6143	7/26/05	13:27
VOA Surrogate, Toluene d8	90.	% Rec	6143	7/26/05	13:27
VOA Surrogate, 4-Bromofluorobenzene	98.	% Rec	6143	7/26/05	13:27
VOA Surrogate, Dibromofluoromethane	104.	% Rec	6143	7/26/05	13:27

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 424049



COOLER RECEIPT FORM

BC#

NOI1648

Client Name : CDM

Cooler Received/Opened On: 09/16/05 Accessioned By: Benjamin C. Wright

[Signature]
Log-in Personnel Signature

1. Temperature of Cooler when triaged: -1.0 Degrees Celsius
2. Were custody seals on outside of cooler?..... YES...NO...NA
 - a. If yes, how many and where: 1- FRONT
3. Were custody seals on containers ?..... NO...YES...NA
4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA
5. Were custody papers inside cooler?..... YES...NO...NA
6. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA
7. Did you sign the custody papers in the appropriate place?..... YES...NO...NA
8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None zip-lock baggies
Foam insert
9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None
10. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA
11. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA
12. Did all container labels and tags agree with custody papers?..... YES...NO...NA
13. Were correct containers used for the analysis requested?..... YES...NO...NA
14. a. Were VOA vials received?..... YES...NO...NA
 - b. Was there any observable head space present in any VOA vial?..... NO...YES...NA
15. Was sufficient amount of sample sent in each container?..... YES...NO...NA
16. Were correct preservatives used?..... YES...NO...NA

If not, record standard ID of preservative used here _____

17. Was residual chlorine present?..... NO...YES... NA

18. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below:

4917

Fed-Ex UPS Velocity DHL Route Off-street Misc.

19. If a Non-Conformance exists, see attached or comments below:

September 27, 2005

Client: CDM Camp Dresser & McKee (10247) EM D. Baker
50 Hampshire Street
Cambridge, MA 02139
Attn: Philippe Debreuilh

Work Order: NOI1648
Project Name: Exxon, 01-F3V PO:4505886811
Project Nbr: Exxon 01-F3V PO:4505886811
Date Received: 09/16/05

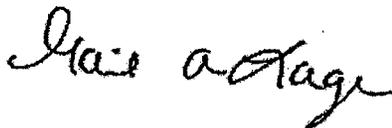
SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
INF	NOI1648-01	09/14/05 12:30
MID	NOI1648-02	09/14/05 12:40
EFF	NOI1648-03	09/14/05 12:50

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:



Gail Lage
Senior Project Manager

Client CDM Camp Dresser & McKee (10247) EM D. Baker
 50 Hampshire Street
 Cambridge, MA 02139
 Attn Philippe Debreuilh

Work Order: NO11648
 Project Name: Exxon 01-F3V PO:4505886811
 Project Number: Exxon 01-F3V PO:4505886811
 Received: 09/16/05 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NO11648-01 (INF - Water) Sampled: 09/14/05 12:30									
General Chemistry Parameters									
Petroleum Hydrocarbons, Total	ND		mg/L	0.100	1	09/20/05 10:20	EPA 418.1	JML	5092581
Purgeable Organic Compounds by EPA Method 624									
Benzene	7.07		ug/L	1.00	1	09/23/05 17:35	EPA 624	BxW	5092807
Ethylbenzene	9.30		ug/L	1.00	1	09/23/05 17:35	EPA 624	BxW	5092807
Methyl tert-Butyl Ether	18.0		ug/L	1.00	1	09/23/05 17:35	EPA 624	BxW	5092807
Toluene	15.0		ug/L	1.00	1	09/23/05 17:35	EPA 624	BxW	5092807
Xylenes, total	123		ug/L	2.00	1	09/23/05 17:35	EPA 624	BxW	5092807
Surrogate: 1,2-Dichloroethane-d4 (81-126%)	99 %					09/23/05 17:35	EPA 624	BxW	5092807
Surrogate: Dibromofluoromethane (88-120%)	100 %					09/23/05 17:35	EPA 624	BxW	5092807
Surrogate: Toluene-d8 (85-130%)	107 %					09/23/05 17:35	EPA 624	BxW	5092807
Surrogate: 4-Bromofluorobenzene (80-124%)	112 %					09/23/05 17:35	EPA 624	BxW	5092807
Sample ID: NO11648-02 (MID - Water) Sampled: 09/14/05 12:40									
General Chemistry Parameters									
Petroleum Hydrocarbons, Total	ND		mg/L	0.100	1	09/20/05 10:20	EPA 418.1	JML	5092581
Purgeable Organic Compounds by EPA Method 624									
Benzene	ND		ug/L	1.00	1	09/23/05 17:59	EPA 624	BxW	5092807
Ethylbenzene	ND		ug/L	1.00	1	09/23/05 17:59	EPA 624	BxW	5092807
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	09/23/05 17:59	EPA 624	BxW	5092807
Toluene	ND		ug/L	1.00	1	09/23/05 17:59	EPA 624	BxW	5092807
Xylenes, total	ND		ug/L	2.00	1	09/23/05 17:59	EPA 624	BxW	5092807
Surrogate: 1,2-Dichloroethane-d4 (81-126%)	100 %					09/23/05 17:59	EPA 624	BxW	5092807
Surrogate: Dibromofluoromethane (88-120%)	101 %					09/23/05 17:59	EPA 624	BxW	5092807
Surrogate: Toluene-d8 (85-130%)	107 %					09/23/05 17:59	EPA 624	BxW	5092807
Surrogate: 4-Bromofluorobenzene (80-124%)	114 %					09/23/05 17:59	EPA 624	BxW	5092807
Sample ID: NO11648-03 (EFF - Water) Sampled: 09/14/05 12:50									
General Chemistry Parameters									
Petroleum Hydrocarbons, Total	ND		mg/L	0.100	1	09/20/05 10:20	EPA 418.1	JML	5092581
Purgeable Organic Compounds by EPA Method 624									
Benzene	ND		ug/L	1.00	1	09/23/05 18:22	EPA 624	BxW	5092807
Ethylbenzene	ND		ug/L	1.00	1	09/23/05 18:22	EPA 624	BxW	5092807
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	09/23/05 18:22	EPA 624	BxW	5092807
Toluene	ND		ug/L	1.00	1	09/23/05 18:22	EPA 624	BxW	5092807
Xylenes, total	ND		ug/L	2.00	1	09/23/05 18:22	EPA 624	BxW	5092807
Surrogate: 1,2-Dichloroethane-d4 (81-126%)	102 %					09/23/05 18:22	EPA 624	BxW	5092807
Surrogate: Dibromofluoromethane (88-120%)	101 %					09/23/05 18:22	EPA 624	BxW	5092807
Surrogate: Toluene-d8 (85-130%)	107 %					09/23/05 18:22	EPA 624	BxW	5092807
Surrogate: 4-Bromofluorobenzene (80-124%)	113 %					09/23/05 18:22	EPA 624	BxW	5092807

Client CDM Camp Dresser & McKee (10247) EM D. Baker
 50 Hampshire Street
 Cambridge, MA 02139
 Attn Philippe Debreuilh

Work Order: NOI1648
 Project Name: Exxon 01-F3V PO:4505886811
 Project Number: Exxon 01-F3V PO:4505886811
 Received: 09/16/05 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
General Chemistry Parameters						
5092581-BLK1						
Petroleum Hydrocarbons, Total	<0.0300		mg/L	5092581	5092581-BLK1	09/20/05 10:20
Purgeable Organic Compounds by EPA Method 624						
5092807-BLK1						
Benzene	<0.150		ug/L	5092807	5092807-BLK1	09/23/05 14:28
Ethylbenzene	<0.180		ug/L	5092807	5092807-BLK1	09/23/05 14:28
Methyl tert-Butyl Ether	<0.100		ug/L	5092807	5092807-BLK1	09/23/05 14:28
Toluene	<0.180		ug/L	5092807	5092807-BLK1	09/23/05 14:28
Xylenes, total	<0.420		ug/L	5092807	5092807-BLK1	09/23/05 14:28
Surrogate: 1,2-Dichloroethane-d4	105%			5092807	5092807-BLK1	09/23/05 14:28
Surrogate: Dibromofluoromethane	104%			5092807	5092807-BLK1	09/23/05 14:28
Surrogate: Toluene-d8	104%			5092807	5092807-BLK1	09/23/05 14:28
Surrogate: 4-Bromofluorobenzene	112%			5092807	5092807-BLK1	09/23/05 14:28

Client CDM Camp Dresser & McKee (10247) EM D. Baker
 50 Hampshire Street
 Cambridge, MA 02139
 Attn Philippe Debreuilh

Work Order: NOI1648
 Project Name: Exxon 01-F3V PO:4505886811
 Project Number: Exxon 01-F3V PO:4505886811
 Received: 09/16/05 08:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
General Chemistry Parameters								
5092581-BS1								
Petroleum Hydrocarbons, Total	20.0	21.3		mg/L	106%	90 - 111	5092581	09/20/05 10:20
Purgeable Organic Compounds by EPA Method 624								
5092807-BS1								
Benzene	50.0	57.0		ug/L	114%	37 - 151	5092807	09/23/05 13:18
Ethylbenzene	50.0	61.9		ug/L	124%	37 - 162	5092807	09/23/05 13:18
Methyl tert-Butyl Ether	50.0	58.3		ug/L	117%	70 - 128	5092807	09/23/05 13:18
Toluene	50.0	56.0		ug/L	112%	47 - 150	5092807	09/23/05 13:18
Xylenes, total	150	191		ug/L	127%	75 - 129	5092807	09/23/05 13:18
Surrogate: 1,2-Dichloroethane-d4	30.0	30.5			102%	81 - 126	5092807	09/23/05 13:18
Surrogate: Dibromofluoromethane	30.0	31.0			103%	88 - 120	5092807	09/23/05 13:18
Surrogate: Toluene-d8	30.0	29.8			99%	85 - 130	5092807	09/23/05 13:18
Surrogate: 4-Bromofluorobenzene	30.0	28.0			93%	80 - 124	5092807	09/23/05 13:18



10/19/05

Technical Report for

ExxonMobil

CDM:S/S 01-F3V 240 Housatonic St., Lee MA

Accutest Job Number: M51388

Sampling Date: 10/04/05

Report to:

Camp, Dresser & McKee

HimmelDB@cdm.com

ATTN: Dana Himmel

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
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

ExxonMobil

Job No: M51388

CDM:S/S 01-F3V 240 Housatonic St., Lee MA

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
M51388-1	10/04/05	13:30	CH	10/04/05	AQ Ground Water	INF LEE
M51388-2	10/04/05	00:00	CH	10/04/05	AQ Trip Blank Water	TRIP BLANK

Report of Analysis

Client Sample ID: INF LEE Lab Sample ID: M51388-1 Matrix: AQ - Ground Water Method: SW846 8260B Project: CDM:S/S 01-F3V 240 Housatonic St., Lee MA	Date Sampled: 10/04/05 Date Received: 10/04/05 Percent Solids: n/a
--	--

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P2142.D	1	10/10/05	AMY	n/a	n/a	MSP73
Run #2							

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

Oxygenates

CAS No.	Compound	Result	RL	Units	Q
994-05-8	tert-Amyl Methyl Ether	ND	2.0	ug/l	
75-65-0	Tert Butyl Alcohol	ND	100	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		82-127%
2037-26-5	Toluene-D8	96%		88-112%
460-00-4	4-Bromofluorobenzene	106%		80-118%

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: INF LEE Lab Sample ID: M51388-1 Matrix: AQ - Ground Water Method: EPA 625 EPA 625 Project: CDM:S/S 01-F3V 240 Housatonic St., Lee MA	Date Sampled: 10/04/05 Date Received: 10/04/05 Percent Solids: n/a
--	--

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E24639.D	1	10/07/05	PB	10/06/05	OP9781	MSE1288
Run #2							

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

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
91-20-3	Naphthalene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		22-126%
321-60-8	2-Fluorobiphenyl	67%		21-124%
1718-51-0	Terphenyl-d14	55%		24-133%

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: INF LEE Lab Sample ID: M51388-1 Matrix: AQ - Ground Water Method: EPA 504 EPA 504 Project: CDM:S/S 01-F3V 240 Housatonic St., Lee MA	Date Sampled: 10/04/05 Date Received: 10/04/05 Percent Solids: n/a
--	--

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ28988.D	1	10/11/05	CZ	10/10/05	OP9803	GYZ1204
Run #2							

Run #	Initial Volume	Final Volume
Run #1	42.7 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.012	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	Bromofluorobenzene (S)	143%		26-158%	

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:	INF LEE	Date Sampled:	10/04/05
Lab Sample ID:	M51388-1	Date Received:	10/04/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	CDM:S/S 01-F3V 240 Housatonic St., Lee MA		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	2040	100	ug/l	1	10/07/05	10/10/05 AC	SW846 6010B ²	SW846 3010A ³
Lead	< 1.0	1.0	ug/l	1	10/10/05	10/10/05 LMN	EPA 239.2 ¹	SW846 3020A ⁴

- (1) Instrument QC Batch: MA6325
- (2) Instrument QC Batch: MA6332
- (3) Prep QC Batch: MP7728
- (4) Prep QC Batch: MP7730

RL = Reporting Limit

Report of Analysis

Client Sample ID:	INF LEE	Date Sampled:	10/04/05
Lab Sample ID:	M51388-1	Date Received:	10/04/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	CDM:S/S 01-F3V 240 Housatonic St., Lee MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Solids, Total Suspended	<4.0	4.0	mg/l	1	10/05/05	BF	EPA 160.2

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK	
Lab Sample ID:	M51388-2	Date Sampled: 10/04/05
Matrix:	AQ - Trip Blank Water	Date Received: 10/04/05
Method:	EPA 504 EPA 504	Percent Solids: n/a
Project:	CDM:S/S 01-F3V 240 Housatonic St., Lee MA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ28989.D	1	10/11/05	CZ	10/10/05	OP9803	GYZ1204
Run #2							

Run #	Initial Volume	Final Volume
Run #1	42.9 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.012	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	Bromofluorobenzene (S)	136%		26-158%	

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

Reza Tand

From: Himmel, Dana [HimmelDB@cdm.com]
Sent: Wednesday, October 05, 2005 8:21 AM
To: Reza Tand
Cc: Zigmont, James
Subject: RE: Samples (Charlton, Lee, and Boxborough)

Reza,

We would only like the analyses listed in this email. Please ignore the COCs, as we had received spotty information prior. Turns out the EPA only requires these additional parameters to be analyzed for a gasoline site. If you have any further questions, you can reach me at 617-452-6380.

From: Reza Tand [mailto:rezat@accutest.com]
Sent: Tuesday, October 04, 2005 7:33 PM
To: Himmel, Dana
Cc: Zigmont, James; Welch, Jonathan; Molloy, Kevin
Subject: RE: Samples (Charlton, Lee, and Boxborough)

Hi Dana,
After looking at the COC's that we recived,it appears there are more analysis requested than this email,I will call you in the morning to discuss what exactly you need & the T/A that we can offer you.
Thanks,Reza

From: Himmel, Dana [mailto:HimmelDB@cdm.com]
Sent: Tuesday, October 04, 2005 3:05 PM
To: Reza Tand
Cc: Zigmont, James; Welch, Jonathan; Molloy, Kevin
Subject: Samples (Charlton, Lee, and Boxborough)

Reza,

We had put the samples collected for the RGP process on hold, however, at this time, we wish to go ahead and analyze for the following for the Influent samples collected today (10/3/05) from Charlton, Lee, and Boxborough:

Parameter	Necessary Detection Limit	Approved Methods
Naphthalene	20 ug/L	610 GC/FID, 625, 610 HPLC, 524.2, 8270D
Ethylene dibromide	0.05 ug/L	618, 504.1, 524.2, 8260C
tert-Butyl Alcohol	none	602, 1666, 8260C
tert-Amyl Methyl Ether	none	602, 8260C
Lead (total recoverable)	1.3 ug/L	Flame Atomic Absorption, ICP, Furnace Atomic Absorption
Iron (total recoverable)	1000 ug/L	Flame Atomic Absorption, ICP, Furnace Atomic Absorption

Please let me know if you have any questions. Thanks.

Dana Himmel

10/5/2005

M51388: Chain of Custody
Page 2 of 5

Betty Baer

From: Himmel, Dana [HimmelDB@cdm.com]
Sent: Wednesday, October 05, 2005 10:33 AM
To: Betty Baer
Subject: RE: Chariton, Lee, and Boxborough)

We need EDB analyzed for all three sites.

From: Betty Baer [mailto:bettyb@accutest.com]
Sent: Wednesday, October 05, 2005 9:51 AM
To: Himmel, Dana
Subject: Chariton, Lee, and Boxborough)

Dana, what do you need for the Trip Blank analysis for these sites? Boxborough is the only one with EDB on the Chain.

Betty

Betty Baer

Accutest Laboratories

495 Technology Center West, Building #1

Marlboro, MA 01752

Phone (508) 481- 6200

Fax (508) 481-7753

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M51388: Chain of Custody
Page 3 of 5

Betty Baer

From: Himmel, Dana [HimmelDB@cdm.com]
Sent: Wednesday, October 05, 2005 12:04 PM
To: Betty Baer
Subject: Lee sample

Betty,

We need total suspended solids analyzed for the Lee influent sample collected on 10/3/05 . It needs to have a detection limit of 30 mg/L and can be analyzed by method 160.2.

Thanks so much!
Dana

Betty Baer

From: Himmel, Dana [HimmelDB@cdm.com]
Sent: Thursday, October 06, 2005 10:50 AM
To: Betty Baer
Subject: RE: TAT

We would like whatever is the absolute fastest TAT available. If that is one week, then that is what we will take.

Thanks,
Dana

From: Betty Baer [mailto:bettyb@accutest.com]
Sent: Thursday, October 06, 2005 10:41 AM
To: Himmel, Dana
Subject: RE: TAT

Dana, we can give you a one week turn time for these sites. Please let me know on this so I can enter into our system.

Thanks,

Betty

—Original Message—

From: Himmel, Dana [SMTP:HimmelDB@cdm.com]
Sent: Thursday, October 06, 2005 8:57 AM
To: Betty Baer
Subject: TAT

Betty,

Reza told me that he would let me know what sort of turn around time we could expect for the Lee, Charlton, and Boxborough samples. Do you have any idea?

Thanks,
Dana

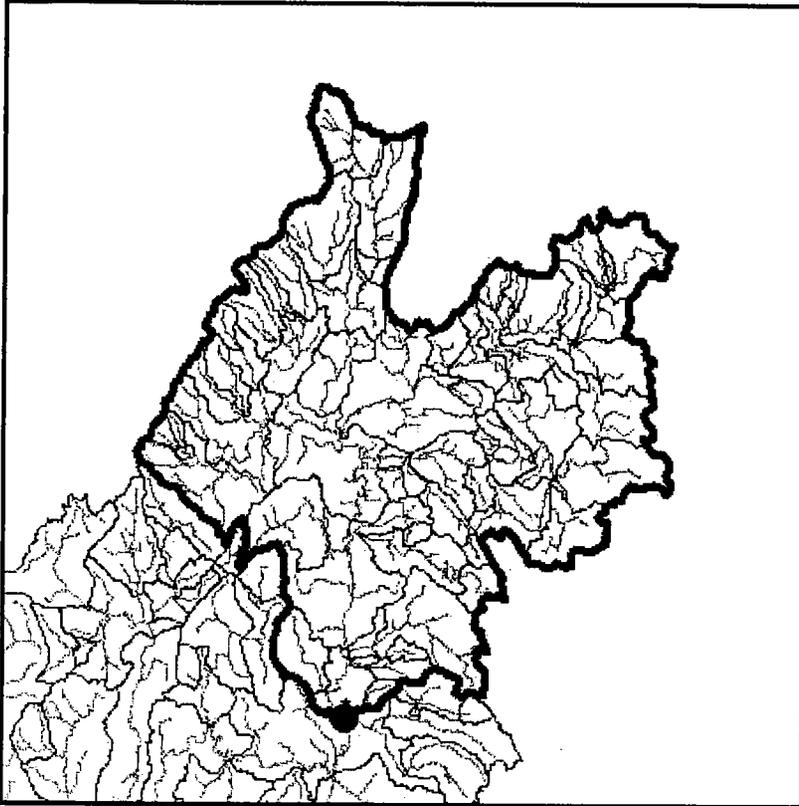
MS1388: Chain of Custody
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Dilution Factor
NPDES RGP
Lee, Massachusetts

Qd gpm	Qd cfs	Qs (7Q10) cfs	DF
15	0.033	24.12	722



Streamflow Statistics Report



Date: Thu Oct 06 10:02:27 2005

Warning! Drainage Area outside allowable range. Prediction intervals not calculated.

Latitude: 42.2985

Longitude: -73.2418

Measured Basin Characteristics:

Drainage Area (square miles): 190.40

Stratified Drift Area (square miles): 26.01

Stream Length (miles): 329.10

Slope (percent): 6.91

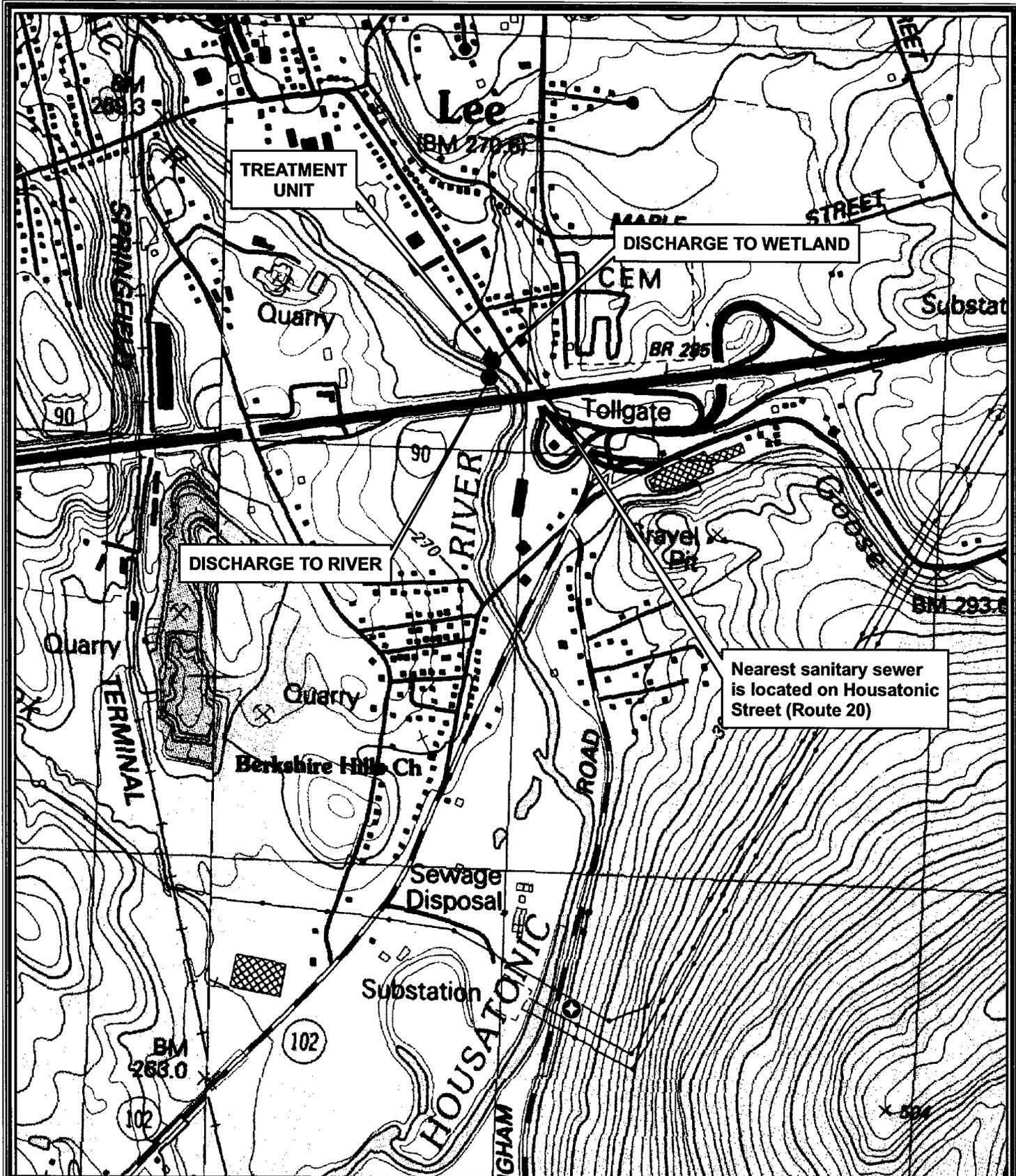
Region: 1

Statistic	Estimated streamflow, ft ³ /s	90% Prediction interval	
		Minimum	Maximum
99-percent duration flow	24.35		
98-percent duration flow	29.06		
95-percent duration flow	41.00		

90-percent duration flow	54.36		
85-percent duration flow	69.12		
80-percent duration flow	81.11		
75-percent duration flow	100.91		
70-percent duration flow	119.32		
60-percent duration flow	152.78		
50-percent duration flow	201.85		
7-day, 2-year low flow	39.86		
7-day, 10-year low flow	24.12		
August median flow	73.32		

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

Maintainer: webmaster@mass1.er.usgs.gov

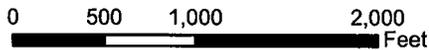


FORMER MOBIL SERVICE STATION NO.01-F3V
 240 HOUSATONIC STREET
 LEE, MASSACHUSETTS

**NOTICE OF INTENT FOR
 REMEDIATION GENERAL PERMIT
 LOCATION MAP**

Legend

- Public Water Supply (Wells)



CDM