



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 1

5 Post Office Square, Suite 100

BOSTON, MA 02109-3912

CERTIFIED MAIL RETURN RECEIPT REQUESTED

MAR 07 2012

Patrick D. Corcoran
Senior Project Manager
EnviroTrac Ltd.
2 Merchant Street, Suite 2
Sharon, MA 02067

Re: Authorization to discharge under the Remediation General Permit (RGP) –
MAG910000. Hess-Branded Petroleum Retail Sta. #21508 site located at 482 Main
Street, Leominster, MA 01443, Worcester County; Authorization # MAG910522

Dear Mr. Corcoran:

Based on the review of a Notice of Intent (NOI) submitted on behalf of Hess Corporation by your firm EnviroTrac Ltd., for the site referenced above, the U.S. Environmental Protection Agency (EPA) hereby authorizes you, as the named Operator, to discharge in accordance with the provisions of the RGP at that site. Your authorization number is listed above.

The checklist enclosed with this RGP authorization indicates the pollutants which you are required to monitor. Also indicated on the checklist are the effluent limits, test methods and minimum levels (MLs) for each pollutant. Please note that the checklist does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of this permit, including influent and effluent monitoring, narrative water quality standards, record keeping, and reporting requirements, found in Parts I and II, and Appendices I – VIII of the RGP. See EPA's website for the complete RGP and other information at: <http://www.epa.gov/region1/npdes/mass.html#dgp>.

Please note the enclosed checklist includes parameters that exceeded Appendix III limits. The checklist also include tertiary butyl alcohol for which your laboratory report indicated there was insufficient sensitivity to detect this parameter at the minimum levels established in Appendix VI of the RGP.

In addition, EPA is requiring monitoring and effluent limits for, benzene, toluene, ethyl benzene, and arsenic in view of historic pollutant concentrations. You may request a deletion of these and any other compounds not present in the influent during the first six months to a year of continuously monitoring these compounds by filing a notice of

change (NOC) request. Please see the notice of change (NOC) information under Appendix V on the RGP website.

Also, please note that the metals included on the checklist are dilution dependent pollutants and subject to limitations based on selected dilution ranges and technology-based ceiling limitations. For each parameter the dilution factor (265) for this site is within a dilution range greater than one hundred (>100), established in the RGP. (See the RGP Appendix IV for Massachusetts facilities). Therefore, the limits for arsenic of 540 ug/L, trivalent chromium of 1,710 ug/L, copper of 520 ug/L, lead of 132 ug/L, nickel of 2,380 ug/L, zinc of 1,480 ug/L and iron of 5,000 ug/L, are required to achieve permit compliance at your site.

Finally, please note the checklist of pollutants attached to this authorization is subject to a recertification if the operations at the site result in a discharge lasting longer than six months. A recertification can be submitted to EPA within six (6) to twelve (12) months of operations in accordance with the 2010 RGP regulations.

This general permit and authorization to discharge will expire on September 9, 2015. You have reported that this project will terminate on July 31, 2012. If for any reason the discharge terminates sooner you are required to submit a Notice of Termination (NOT) to the attention of the contact person indicated below within 30 days of project completion.

Thank you in advance for your cooperation in this matter. Please contact Victor Alvarez at 617-918-1572 or Alvarez.Victor@epa.gov, if you have any questions.

Sincerely,

for 
David M. Webster, Chief
Industrial Permits Branch

Enclosure

cc: Kathleen Keohane, MassDEP
Patric LaPointe, Director Leominster DPW

**2010 Remediation General Permit
Summary of Monitoring Parameters^[1]**

NPDES Authorization Number:	MAG910522
Authorization Issued:	February, 2012
Facility/Site Name:	Hess-Branded Petroleum Retail Station#21508
Facility/Site Address:	482 Main Street, Leominster, MA 01453, Worcester County
	Email address of owner: mmatri@hess.com
Legal Name of Operator:	EnviroTrac Ltd.
Operator contact name, title, and Address:	2 Merchant Street, Suite 2, Sharon, MA 02067, Norfolk County
	Email: patrickc@envirotrac.com
Estimated Date of Completion:	July 31, 2012
Category and Sub-Category:	Category I. Petroleum Related Site Remediation. Sub-category A. Gasoline Only Sites
RGP Termination Date:	September 9, 2015
Receiving Water:	North Nashua River

Monitoring & Limits are applicable if checked. All samples are to be collected as grab samples

	<u>Parameter</u>	<u>Effluent Limit/Method# /ML</u> (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
✓	1. Total Suspended Solids (TSS)	30 milligrams/liter (mg/L) **, 50 mg/L for hydrostatic testing **, Me#60.2/ML5ug/L
	2. Total Residual Chlorine (TRC) ¹	Freshwater = 11 ug/L ** Saltwater = 7.5 ug/L **/ Me#330.5/ML 20ug/L
✓	3. Total Petroleum Hydrocarbons (TPH)	5.0 mg/L/ Me# 1664A/ML 5.0mg/L
	4. Cyanide (CN) ^{2, 3}	Freshwater = 5.2 ug/l ** Saltwater = 1.0 ug/L **/ Me#335.4/ML 10ug/L
✓	5. Benzene (B)	5ug/L /50.0 ug/L for hydrostatic testing only/ Me#8260C/ML 2 ug/L
✓	6. Toluene (T)	(limited as ug/L total BTEX)/ Me#8260C/ ML 2ug/L
✓	7. Ethylbenzene (E)	(limited as ug/L total BTEX) Me#8260C/ ML 2ug/L
✓	8. (m,p,o) Xylenes (X)	(limited as ug/L total BTEX) Me#8260C/ ML 2ug/L
✓	9. Total Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX) ⁴	100 ug/L/ Me#8260C/ ML 2ug/L
	10. Ethylene Dibromide (EDB) (1,2- Dibromoethane)	0.05 ug/l/ Me#8260C/ ML 10ug/L
✓	11. Methyl-tert-Butyl Ether	70.0 ug/l/Me#8260C/ML 10ug/L

	<u>Parameter</u>	<u>Effluent Limit/Method#/ML</u> (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
	(MtBE)	
✓	12.tert-Butyl Alcohol (TBA) (TertiaryButanol)	Monitor Only(ug/L)/Me#8260C/ML 10ug/L
✓	13. tert-Amyl Methyl Ether (TAME)	Monitor Only(ug/L)/Me#8260C/ML 10ug/L
	14. Naphthalene ⁵	20 ug/L /Me#8260C/ML 2ug/L
	15. Carbon Tetrachloride	4.4 ug/L /Me#8260C/ ML 5ug/L
	16. 1,2 Dichlorobenzene (o- DCB)	600 ug/L /Me#8260C/ ML 5ug/L
	17. 1,3 Dichlorobenzene (m- DCB)	320 ug/L /Me#8260C/ ML 5ug/L
	18. 1,4 Dichlorobenzene (p- DCB)	5.0 ug/L /Me#8260C/ ML 5ug/L
	18a. Total dichlorobenzene	763 ug/L - NH only /Me#8260C/ ML 5ug/L
	19. 1,1 Dichloroethane (DCA)	70 ug/L /Me#8260C/ ML 5ug/L
	20. 1,2 Dichloroethane (DCA)	5.0 ug/L /Me#8260C/ ML 5ug/L
	21. 1,1 Dichloroethene (DCE)	3.2 ug/L/Me#8260C/ ML 5ug/L
	22. cis-1,2 Dichloroethene (DCE)	70 ug/L/Me#8260C/ ML 5ug/L
	23. Methylene Chloride	4.6 ug/L/Me#8260C/ ML 5ug/L
	24. Tetrachloroethene (PCE)	5.0 ug/L/Me#8260C/ ML 5ug/L
	25. 1,1,1 Trichloro-ethane (TCA)	200 ug/L/Me#8260C/ ML 5ug/L
	26. 1,1,2 Trichloro-ethane (TCA)	5.0 ug/L /Me#8260C/ ML 5ug/L
	27. Trichloroethene (TCE)	5.0 ug/L /Me#8260C/ ML 5ug/L
	28. Vinyl Chloride (Chloroethene)	2.0 ug/L /Me#8260C/ ML 5ug/L
	29. Acetone	Monitor Only(ug/L)/Me#8260C/ML 50ug/L
	30. 1,4 Dioxane	Monitor Only /Me#1624C/ML 50ug/L
	31. Total Phenols	300 ug/L Me#420.1&420.2/ML 2 ug/L/ Me# 420.4 /ML 50ug/L
	32. Pentachlorophenol (PCP)	1.0 ug/L /Me#8270D/ML 5ug/L,Me#604 &625/ML 10ug/L
	33. Total Phthalates (Phthalate esters) ⁶	3.0 ug/L ** /Me#8270D/ML 5ug/L, Me#606/ML 10ug/L& Me#625/ML 5ug/L
	34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate]	6.0 ug/L /Me#8270D/ML 5ug/L,Me#606/ML 10ug/L & Me#625/ML 5ug/L
	35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	10.0 ug/L
	a. Benzo(a) Anthracene ⁷	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	b. Benzo(a) Pyrene ⁷	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	c. Benzo(b)Fluoranthene ⁷	0.0038 ug/L /Me#8270D/ ML 5ug/L,

	Parameter	Effluent Limit/Method#/ML (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
		Me#610/ML 5ug/L& Me#625/ML 5ug/L
	d. Benzo(k)Fluoranthene ⁷	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	e. Chrysene ⁷	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	f. Dibenzo(a,h)anthracene ⁷	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	g. Indeno(1,2,3-cd) Pyrene ⁷	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	100 ug/L
	h. Acenaphthene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	i. Acenaphthylene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	j. Anthracene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	k. Benzo(ghi) Perylene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	l. Fluoranthene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	m. Fluorene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	n. Naphthalene ⁵	20 ug/L / Me#8270/ML 5ug/L, Me#610/ML 5ug/L & Me#625/ML 5ug/L
	o. Phenanthrene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	p. Pyrene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	37. Total Polychlorinated Biphenyls (PCBs) ^{8,9}	0.000064 ug/L/Me# 608/ ML 0.5 ug/L
✓	38. Chloride	Monitor only/Me# 300.0/ ML 0.1ug/L

	Metal parameter	Total Recoverable Metal Limit @ H ¹⁰ = 50 mg/l CaCO3 for discharges in Massachusetts (ug/l) ^{11/12}	Minimum level=ML
		Freshwater	
	39. Antimony	5.6/ML 10	
✓	40. Arsenic **	540/ML20	
	41. Cadmium **	0.2/ML10	
✓	42. Chromium III (trivalent) **	1,710/ML15	
	43. Chromium VI (hexavalent)	11.4/ML10	

	Metal parameter	Total Recoverable Metal Limit @ H¹⁰ = 50 mg/l CaCO₃ for discharges in Massachusetts (ug/l)^{11/12}		Minimum level=ML	
		Freshwater			
	**				
✓	44. Copper **	520/ML15			
✓	45. Lead **	132/ML20			
	46. Mercury **	0.9/ML0.2			
✓	47. Nickel **	2,380/ML20			
	48. Selenium **	5/ML20			
	49. Silver	1.2/ML10			
✓	50. Zinc **	1,480/ML15			
✓	51. Iron	5,000/ML 20			

	Other Parameters	Limit
✓	52. Instantaneous Flow	Site specific in CFS
✓	53. Total Flow	Site specific in CFS
✓	54. pH Range for Class A & Class B Waters in MA	6.5-8.3; 1/Month/Grab ¹³
	55. pH Range for Class SA & Class SB Waters in MA	6.5-8.3; 1/Month/Grab ¹³
	56. pH Range for Class B Waters in NH	6.5-8; 1/Month/Grab ¹³
	57. Daily maximum temperature - Warm water fisheries	83°F; 1/Month/Grab ¹⁴
	58. Daily maximum temperature - Cold water fisheries	68°F; 1/Month/Grab ¹⁴
	59. Maximum Change in Temperature in MA - Any Class A water body	1.5°F; 1/Month/Grab ¹⁴
	60. Maximum Change in Temperature in MA - Any Class B water body- Warm Water	5°F; 1/Month/Grab ¹⁴
	61. Maximum Change in Temperature in MA - Any Class B water body - Cold water and Lakes/Ponds	3°F; 1/Month/Grab ¹⁴
	62. Maximum Change in Temperature in MA - Any Class SA water body - Coastal	1.5°F; 1/Month/Grab ¹⁴
	63. Maximum Change in Temperature in MA - Any Class SB water body - July to September	1.5°F; 1/Month/Grab ¹⁴
	64. Maximum Change in Temperature in MA -Any Class SB water body - October to June	4°F; 1/Month/Grab ¹⁴

Footnotes:

¹ Although the maximum values for TRC are 11ug/l and 7.5 ug/l for freshwater, and saltwater respectively, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., Method 330.5, 20 ug/l).

² Limits for cyanide are based on EPA's water quality criteria expressed as micrograms per liter. There is currently no EPA approved test method for free cyanide. Therefore, total cyanide must be reported.

³ Although the maximum values for cyanide are 5.2 ug/l and 1.0 ug/l for freshwater and saltwater, respectively, the compliance limits are equal to the minimum level (ML) of the Method 335.4 as listed in Appendix VI (i.e., 10 ug/l).

⁴ BTEX = sum of Benzene, Toluene, Ethylbenzene, and total Xylenes.

⁵ Naphthalene can be reported as both a purgeable (VOC) and extractable (SVOC) organic compound. If both VOC and SVOC are analyzed, the highest value must be used unless the QC criteria for one of the analyses is not met. In such cases, the value from the analysis meeting the QC criteria must be used.

⁶ The sum of individual phthalate compounds(not including the #34, Bis (2-Ethylhexyl) Phthalate . The compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.

Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measurement of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.

⁷ Although the maximum value for the individual PAH compounds is 0.0038 ug/l, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.

⁸ In the November 2002 WQC, EPA has revised the definition of Total PCBs for aquatic life as total PCBs is the sum of all homologue, all isomer, all congener, or all "Oroclor analyses."Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measure of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.

⁹Although the maximum value for total PCBs is 0.000064 ug/l, the compliance limit is equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., 0.5 ug/l for Method 608 or 0.00005 ug/l when Method 1668a is approved).

¹⁰ Hardness. Cadmium, Chromium III, Copper, Lead, Nickel, Silver, and Zinc are Hardness Dependent.

¹¹ For a Dilution Factor (DF) from 1 to 5, metals limits are calculated using DF times the base limit for the metal. See Appendix IV. For example, iron limits are calculated using $DF \times 1,000 \text{ ug/L}$ (the iron base limit). Therefore DF is 1.5, the iron limit will be 1,500 ug/L; DF 2, then iron limit = $1,000 \times 2 = 2,000 \text{ ug/L}$, etc. not to exceed the DF=5.

¹² Minimum Level (ML) is the lowest level at which the analytical system gives a recognizable signal and acceptable calibration point for the analyte. The ML represents the lowest concentration at which an analyte can be measured with a known level of confidence. The ML is calculated by multiplying the laboratory-determined method detection limit by 3.18 (see 40 CFR Part 136, Appendix B).

¹³ pH sampling for compliance with permit limits may be performed using field methods as provided for in EPA test Method 150.1.

¹⁴ Temperature sampling per Method 170.1



February 17, 2012

United States Environmental Protection Agency
RGP – NOI Processing
1 Congress Street
Boston, Massachusetts 02114-2023

Re: Remediation General Permit – Notice of Intent
Hess-branded Retail Petroleum Station #21508
482 Main Street
Leominster, Massachusetts 01453-2939
MassDEP RTN 2-14730

To Whom It May Concern:

At the request of Hess Corporation (Hess), EnviroTrac Ltd (EnviroTrac) is submitting the attached Remediation General Permit (RGP) – Notice of Intent (NOI) for the above-referenced location, referred to as the Site. The RGP-NOI form is included as **Attachment A**. The Site is a Hess-branded petroleum retail station. Temporary construction dewatering will be required to facilitate the removal of three existing 10,000-gallon capacity, single-wall steel underground storage tanks (USTs) and the installation of two 20,000-gallon double-walled fiberglass reinforced plastic (FRP) USTs. Based on gauging of a monitoring well at the site, the depth to groundwater is approximately 16 feet below ground surface (bgs). Excavation to approximately 18 feet bgs will be required for the UST installation. The location of the Site is depicted on the Site Locus Map (**Figure 1**). Also attached is a Discharge Location Plan (**Figure 2**), which depicts existing Site features, the catch basin which represents the proposed discharge point, and the location of the discharge receiving water in relation to the Site.

During construction dewatering, groundwater will be pumped from the excavation into a fractionation tank for settlement, and then treated through two bag filters (arranged in series), and two 2,000-pound liquid phase carbon units (also arranged in series). A schematic of the proposed treatment system is included as **Figure 3**. The treated effluent will be discharged via the catch basin located within Main Street to the south of the site property, which discharges to an outfall at the North Nashua River, approximately 100 feet northeast of the site. The design flow of the treatment system is 50 gallons per minute (gpm), and the average discharge rate of treated groundwater is anticipated to be 30 gpm.

On January 27, 2012, a groundwater sample was obtained from a monitoring well (MW-1) adjacent to the proposed excavation area. Based on analytical data, volatile organic compounds, total petroleum hydrocarbons, metals, chloride, trivalent chromium, and total suspended solids (TSS) were detected in groundwater. Concentrations of methyl tert butyl ether, arsenic, copper, iron, lead, nickel, zinc, chromium (III), and TSS exceeded the applicable Effluent Limitations published in Appendix III of the RGP under the National Pollutant Discharge Elimination System for Discharges in Massachusetts. A dilution factor of 265 was calculated for

all metals which exceeded Effluent Limitations published in Appendix III of the RGP (refer to **Attachment A**). Based on a Dilution Factor Range of >100, concentrations of iron exceeded applicable Total Recoverable Metal Limitations published in Appendix IV of the RGP. Analytical data are summarized in **Table 1**. The laboratory analytical report supporting this NOI is included in **Attachment B**.

The discharge location is located within a National Heritage & Endangered Species Program Estimated Rare Wetland Habitat associated with the small whorled pogonia. Therefore, as specified in the RGP, consultation with the U.S. Fish and Wildlife Service is being conducted. A copy of the letter sent to the U.S. Fish and Wildlife Service is included in **Attachment C**.

According to the National Park Service's National Register Information System (NRIS) (<http://www.cr.nps.gov/>), eight historical sites are located in Leominster, Massachusetts. The nearest listed historical site is the Wellington Piano Case Company Building, located at 54 Green Street, approximately 3,800 feet southwest of the site. In addition, the Massachusetts Historical Commission's Massachusetts Cultural Resource Information System (MACRIS) (<http://www.sec.state.ma.us/mhc/>) listed more than 374 sites in Leominster. The nearest Massachusetts-listed site, Main Street Bridge over North Nashua River, is located approximately 100 feet northeast of the Site. The discharge point is located downstream of the Main Street Bridge, as shown on the attached Discharge Plan (**Figure 2**). Based on the distances to the Site, the discharge will not likely adversely affect federal or state-listed historical sites. Copies of the NRIS and MACRIS listings are included in **Attachment D**.

The excavation and dewatering will be conducted as a Post-Response Action Outcome (RAO) Response Action pursuant to post-RAO provisions of the Massachusetts Contingency Plan as set forth at 310 CMR 40.1067(4)(b). Therefore, completion and submittal of Massachusetts Application Form BRPWM 12 or payment of a state fee are not required.

If you have any questions or require further information, please contact the undersigned at (781) 793-0074.

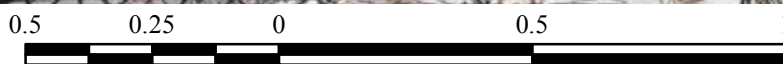
Sincerely,
EnviroTrac Ltd.



Patrick D. Corcoran, LSP
Senior Project Manager

cc.: MassDEP Central Regional Office
Dean J. Mazzaella, Mayor, City of Leominster
City of Leominster Conservation Commission
Michael Matri, Hess Corporation

FIGURES



Miles

Scale: 1:24,000

Hess Station #21508
482 Main Street
Leominster, MA 01453-2939

FIGURE 1

SITE LOCUS MAP
UNITED STATES GEOLOGICAL SURVEY
FITCHBURG AND SHIRLEY, MA QUADRANGLES

Contour Interval: 3 m

UTM Coordinates:
4,713,330 m North
274,760 m East

Latitude/Longitude:
42° 32' 22" North
71° 44' 33" West



EnviroTrac
Environmental Services

STL. THRE BEAM HIGHWAY GUARD TYPE SS
 PROP. TERMINAL SECTION STA.1+65 RT.
 PROP. CURVED SECTION (R=25m) STA.1+65 TO
 STA.1+73.9 RT.
 (ATTACH TO BRIDGE END
 POST) STA.1+73.9 TO STA.1+81.5 RT.

CURB TIE - CURVE DATA

CURVE NO.	Δ	R (m)	T (m)	L (m)
(C1)	55°-08'-55"	7.500	3.917	7.219
(C2)	31°-21'-21"	94.500	26.523	51.716
(C3)	49°-33'-57"	17.500	8.080	15.139
(C4)	02°-39'-13"	82.000	1.899	3.798
(C5)	20°-01'-36"	82.000	14.479	28.662

HIGHWAY GUARD CONT.
 PROP. TERMINAL SECTION STA.1+85 LT.
 PROP. CURVED SECTION (R=5m) STA.1+85 TO
 STA.1+88.5 LT. ATTACH TO BRIDGE END POST
 ATTACH TO BRIDGE END POST
 STA.2+26.4 TO STA.2+34 LT.
 PROP. CURVED SECTION (R=25m) STA.2+34 TO
 STA.2+38 LT.
 PROP. TERMINAL SECTION STA.2+38 LT.
 ATTACH TO BRIDGE END
 POST STA.2+33.5 RT.
 PROP. CURVED SECTION (R=5m) STA.2+33.5 TO
 STA.2+36.5 RT.
 PROP. TERMINAL SECTION STA.2+36.5 RT.

TRAFFIC SIGNAL CONDUIT
 SEE TRAFFIC SIGNAL PLANS

WATER SUPPLY ALTERATIONS
 REPLACE 300mm WATER MAIN STA.1+85.00 LT.
 TO STA.2+30 LT. (APPROX. 45m OF 300mm
 CLASS 56" CLDI PIPE W/FITTINGS)

DRAINAGE DETAILS
 SEE BELOW

LEOMINSTER MAIN STREET (ROUTE 13)				
STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MASS	BR-0015(150)X	2003	6	35
PROJECT FILE NO. 602459				

GENERAL PLAN SHEET 1 of 2

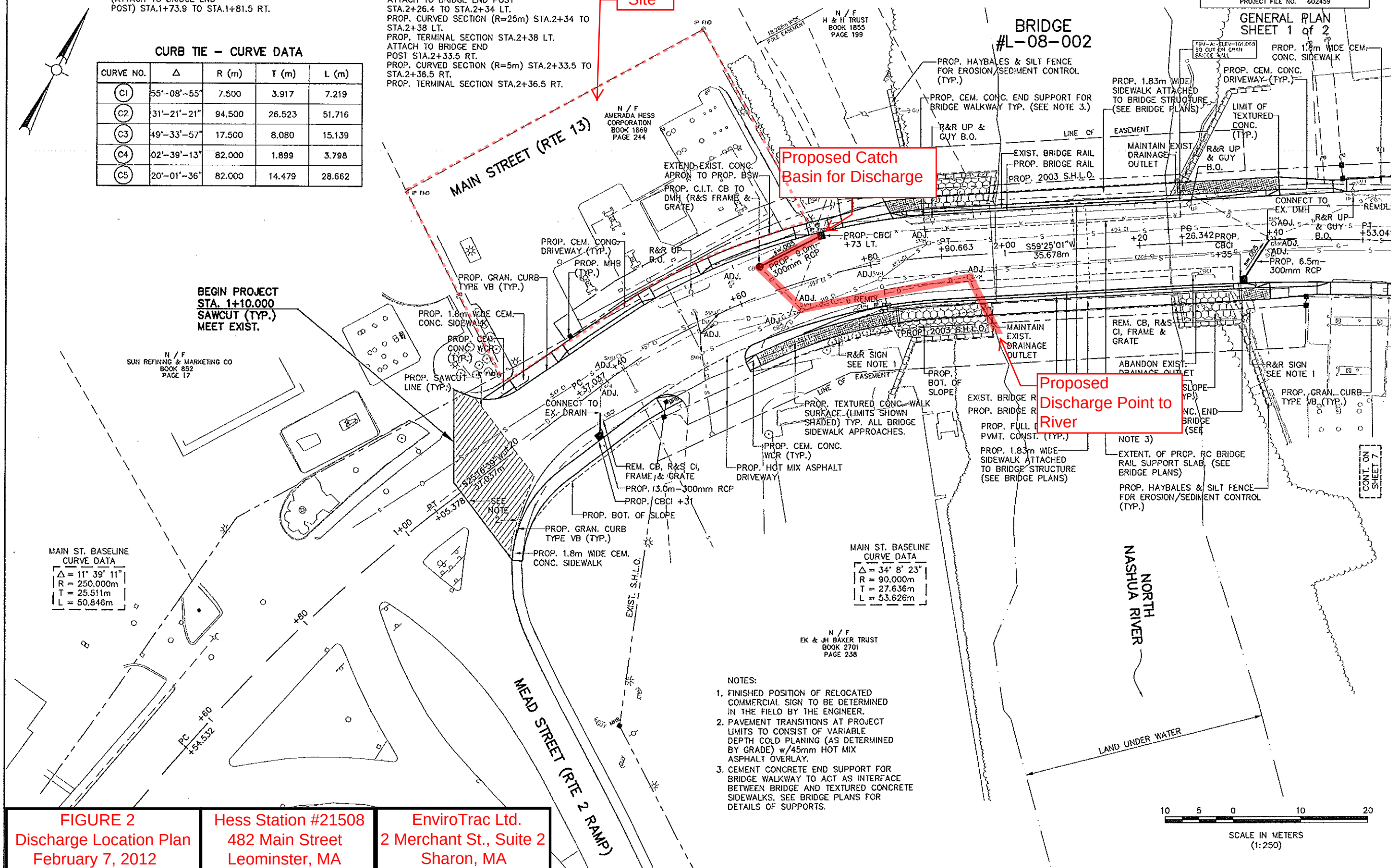
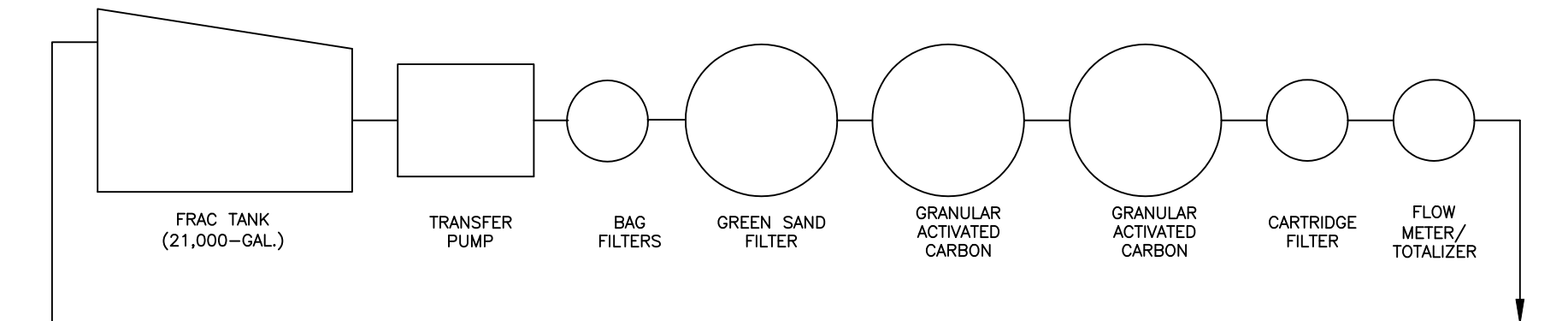


FIGURE 2
 Discharge Location Plan
 February 7, 2012

Hess Station #21508
 482 Main Street
 Leominster, MA

EnviroTrac Ltd.
 2 Merchant St., Suite 2
 Sharon, MA

- NOTES:
1. FINISHED POSITION OF RELOCATED COMMERCIAL SIGN TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
 2. PAVEMENT TRANSITIONS AT PROJECT LIMITS TO CONSIST OF VARIABLE DEPTH COLD PLANING (AS DETERMINED BY GRADE) w/45mm HOT MIX ASPHALT OVERLAY.
 3. CEMENT CONCRETE END SUPPORT FOR BRIDGE WALKWAY TO ACT AS INTERFACE BETWEEN BRIDGE AND TEXTURED CONCRETE SIDEWALKS. SEE BRIDGE PLANS FOR DETAILS OF SUPPORTS.



PROCESS FLOW DIAGRAM
DEWATERING TREATMENT
SYSTEM (TYP.)

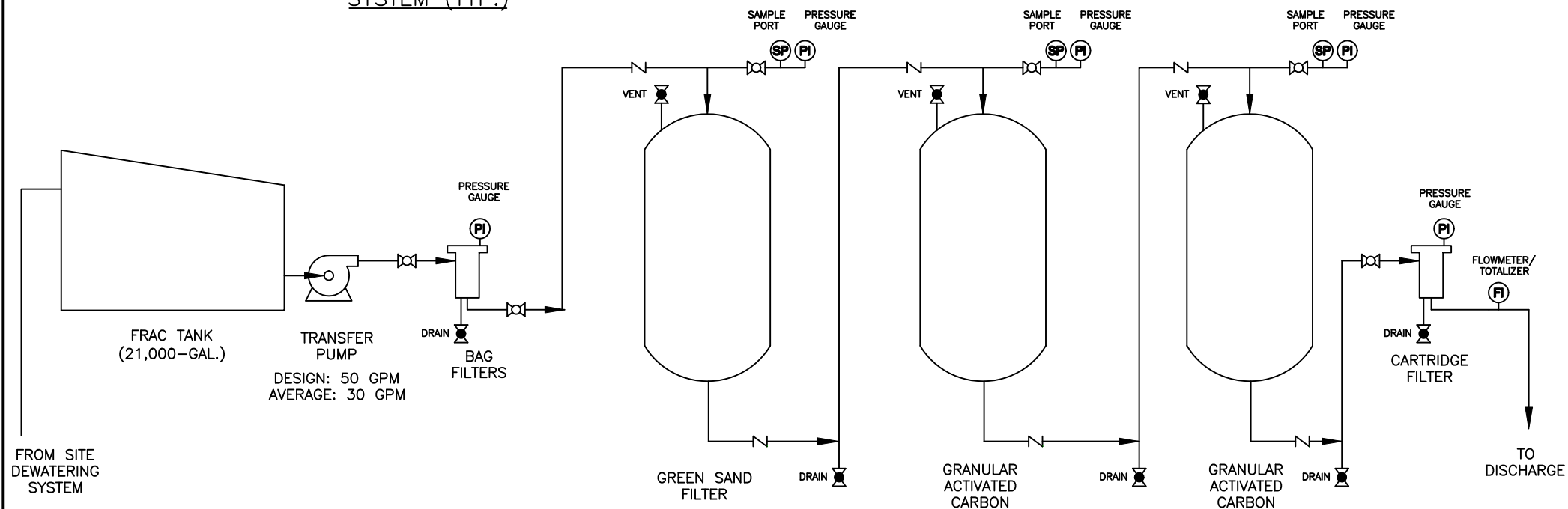


FIGURE # 3

PROCESS FLOW DIAGRAM

CREATED BY: PDC
DATE: 02/29/2008

NOT TO SCALE

REVISED BY: RP
DATE: 02/02/2012

HESS STATION #21508
482 MAIN STREET
LEOMINSTER, MASSACHUSETTS

EnviroTrac
2 Merchant Street, Suite 2, Sharon, Massachusetts
PHONE: (781) 793-0074 FAX: (781) 793-7877

TABLE

TABLE 1
SUMMARY OF GROUNDWATER ANALYTICAL DATA

Hess Station #21508
482 Main Street
Leominster, Massachusetts

Sample ID	MW-1	RGP Appendix III	RGP Appendix IV Effluent Limits
Sample Date	1/27/2012	Effluent Limits	Dilution Factor Range >100
Volatile Organic Compounds (µg/L)			
Benzene	<5.0	5	NA
Toluene	<5.0	NE	NA
Ethylbenzene	<5.0	NE	NA
Xylenes	21.8	NE	NA
Total BTEX	21.8	100	NA
Naphthalene	<5.0	20	NA
n-Butylbenzene	38.6	NE	NA
sec-Butylbenzene	15.6	NE	NA
Isopropylbenzene	11.8	NE	NA
p-Isopropyltoluene	13.7	NE	NA
Methyl Tert Butyl Ether	320	70.0	NA
n-Propylbenzene	21.1	NE	NA
tert-Amyl Methyl Ether	31.9	NE	NA
1,2,4-Trimethylbenzene	44.4	NE	NA
1,3,5-Trimethylbenzene	13.7	NE	NA
Tert Butyl Alcohol	<100	NE	NA
All other VOCs	ND	NE	NA
Total Petroleum Hydrocarbons (mg/L)			
TPH-GRO	1.24	5.0	NA
Total Metals (µg/L)			
Antimony	<6.0	5.6	NA
Arsenic	192	10	540
Cadmium	<4.0	0.2	NA
Chromium	195	NE	NA
Copper	105	3.7	520
Iron	102,000	1,000	5,000
Lead	47.5	1.3	132
Mercury	<0.20	0.9	NA
Nickel	156	8.2	2,380
Selenium	<10	5	NA
Silver	<5.0	1.2	NA
Zinc	223	66.6	1,480
General Chemistry (mg/L)			
Chloride	1,150	NE	NA
Chromium, Hexavalent	<0.010	0.0114	NA
Chromium, Trivalent	0.20	0.0488	1.7
Total Suspended Solids	8,260	30	NA
Total Residual Chlorine	<0.050	0.0075	NA

NOTES:

RGP is Remediation General Permit

TPH-GRO is total petroleum hydrocarbons gasoline range organics

mg/L is milligrams per liter

µg/L is micrograms per liter

< Indicates that the compound was not detected at the laboratory detection limit listed

ND is not detected

NE is not established

NA is not applicable

BOLD indicates concentrations greater than RGP Appendix III effluent limits

RED indicates concentrations greater than RGP Appendix IV effluent limits

A Dilution Factor of 265 was calculated based on the following equation:

(Maximum Flow Rate of Discharge + 7Q10 of receiving water)/Maximum Flow Rate of Discharge

= (0.1115 cfs + 29.4 cfs) / 0.1115 cfs = 264.68 where cfs is cubic feet per second

For all metals which exceeded RGP Appendix III effluent limits, the Dilution Factor was used to determine the RGP Appendix IV effluent limits

ATTACHMENT A

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

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

a) Name of facility/site :		Facility/site mailing address:	
Location of facility/site : longitude: _____ latitude: _____	Facility SIC code(s):	Street:	
b) Name of facility/site owner : Hess Corporation Attn: Michael Matri		Town:	
Email address of facility/site owner:	State:	Zip:	County:
Telephone no. of facility/site owner :			
Fax no. of facility/site owner :	Owner is (check one): 1. Federal____ 2. State/Tribal____ 3. Private____ 4. Other ____ if so, describe:		
Address of owner (if different from site):			
Street:			
Town:	State:	Zip:	County:
c) Legal name of operator :	Operator telephone no:		
	Operator fax no.:		Operator email:
Operator contact name and title:			
Address of operator (if different from owner):	Street:		
Town:	State:	Zip:	County:

d) Check Y for “yes” or N for “no” for the following: 1. Has a prior NPDES permit exclusion been granted for the discharge? Y___ N___, if Y, number:_____ 2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Y___ N___, if Y, date and tracking #:_____ 3. Is the discharge a “new discharge” as defined by 40 CFR 122.2? Y___ N___ 4. For sites in Massachusetts, is the discharge covered under the Massachusetts Contingency Plan (MCP) and exempt from state permitting? Y___ N___	
e) Is site/facility subject to any State permitting, license, or other action which is causing the generation of discharge? Y___ N___ If Y, please list: 1. site identification # assigned by the state of NH or MA: _____ 2. permit or license # assigned: _____ 3. state agency contact information: name, location, and telephone number: _____	f) Is the site/facility covered by any other EPA permit, including: 1. Multi-Sector General Permit? Y___ N___, if Y, number: _____ 2. Final Dewatering General Permit? Y___ N___, if Y, number: _____ 3. EPA Construction General Permit? Y___ N___, if Y, number: _____ 4. Individual NPDES permit? Y___ N___, if Y, number: _____ 5. any other water quality related individual or general permit? Y___ N___, if Y, number: _____
g) Is the site/facility located within or does it discharge to an Area of Critical Environmental Concern (ACEC)? Y___ N___	
h) Based on the facility/site information and any historical sampling data, identify the sub-category into which the potential discharge falls.	
<u>Activity Category</u>	<u>Activity Sub-Category</u>
I - Petroleum Related Site Remediation	A. Gasoline Only Sites _____ B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) _____ C. Petroleum Sites with Additional Contamination _____
II - Non Petroleum Site Remediation	A. Volatile Organic Compound (VOC) Only Sites _____ B. VOC Sites with Additional Contamination _____ C. Primarily Heavy Metal Sites _____
III - Contaminated Construction Dewatering	A. General Urban Fill Sites _____ B. Known Contaminated Sites _____

IV - Miscellaneous Related Discharges	A. Aquifer Pump Testing to Evaluate Formerly Contaminated Sites ____ B. Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites ____ C. Hydrostatic Testing of Pipelines and Tanks ____ D. Long-Term Remediation of Contaminated Sumps and Dikes ____ E. Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit) ____
---------------------------------------	---

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as necessary) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:	
b) Provide the following information about each discharge:	
1) Number of discharge points:	2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft ³ /s)? Max. flow _____ Is maximum flow a design value ? Y ____ N ____ Average flow (include units) _____ Is average flow a design value or estimate? _____
3) Latitude and longitude of each discharge within 100 feet: pt.1: lat. _____ long. _____; pt.2: lat. _____ long. _____; pt.3: lat. _____ long. _____; pt.4: lat. _____ long. _____; pt.5: lat. _____ long. _____; pt.6: lat. _____ long. _____; pt.7: lat. _____ long. _____; pt.8: lat. _____ long. _____; etc.	
4) If hydrostatic testing, total volume of the discharge (gals): _____	5) Is the discharge intermittent ____ or seasonal ____? Is discharge ongoing? Y ____ N ____
c) Expected dates of discharge (mm/dd/yy): start _____ end _____	
d) Please attach a line drawing or flow schematic showing water flow through the facility including: 1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).	

3. Contaminant information.

a) Based on the sub-category selected (see Appendix III), indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>
1. Total Suspended Solids (TSS)											
2. Total Residual Chlorine (TRC)											
3. Total Petroleum Hydrocarbons (TPH)											
4. Cyanide (CN)	57125										
5. Benzene (B)	71432										
6. Toluene (T)	108883										
7. Ethylbenzene (E)	100414										
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207										
9. Total BTEX ²	n/a										
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) ³	106934										
11. Methyl-tert-Butyl Ether (MtBE)	1634044										
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650										

* Numbering system is provided to allow cross-referencing to Effluent Limits and Monitoring Requirements by Sub-Category included in Appendix III, as well as the Test Methods and Minimum Levels associated with each parameter provided in Appendix VI.

² BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

³ EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>
13. tert-Amyl Methyl Ether (TAME)	9940508										
14. Naphthalene	91203										
15. Carbon Tetrachloride	56235										
16. 1,2 Dichlorobenzene (o-DCB)	95501										
17. 1,3 Dichlorobenzene (m-DCB)	541731										
18. 1,4 Dichlorobenzene (p-DCB)	106467										
18a. Total dichlorobenzene											
19. 1,1 Dichloroethane (DCA)	75343										
20. 1,2 Dichloroethane (DCA)	107062										
21. 1,1 Dichloroethene (DCE)	75354										
22. cis-1,2 Dichloroethene (DCE)	156592										
23. Methylene Chloride	75092										
24. Tetrachloroethene (PCE)	127184										
25. 1,1,1 Trichloro-ethane (TCA)	71556										
26. 1,1,2 Trichloro-ethane (TCA)	79005										
27. Trichloroethene (TCE)	79016										

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>
28. Vinyl Chloride (Chloroethene)	75014										
29. Acetone	67641										
30. 1,4 Dioxane	123911										
31. Total Phenols	108952										
32. Pentachlorophenol (PCP)	87865										
33. Total Phthalates (Phthalate esters) ⁴											
34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate]	117817										
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)											
a. Benzo(a) Anthracene	56553										
b. Benzo(a) Pyrene	50328										
c. Benzo(b)Fluoranthene	205992										
d. Benzo(k)Fluoranthene	207089										
e. Chrysene	21801										
f. Dibenzo(a,h)anthracene	53703										
g. Indeno(1,2,3-cd) Pyrene	193395										
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)											

⁴The sum of individual phthalate compounds.

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>
h. Acenaphthene	83329										
i. Acenaphthylene	208968										
j. Anthracene	120127										
k. Benzo(ghi) Perylene	191242										
l. Fluoranthene	206440										
m. Fluorene	86737										
n. Naphthalene	91203										
o. Phenanthrene	85018										
p. Pyrene	129000										
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.										
38. Chloride	16887006										
39. Antimony	7440360										
40. Arsenic	7440382										
41. Cadmium	7440439										
42. Chromium III (trivalent)	16065831										
43. Chromium VI (hexavalent)	18540299										
44. Copper	7440508										
45. Lead	7439921										
46. Mercury	7439976										
47. Nickel	7440020										
48. Selenium	7782492										
49. Silver	7440224										
50. Zinc	7440666										
51. Iron	7439896										
Other (describe):											

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>

b) For discharges where **metals** are believed present, please fill out the following (attach results of any calculations):

<i>Step 1:</i> Do any of the metals in the influent exceed the effluent limits in Appendix III (i.e., the limits set at zero dilution)? Y____ N____	If yes, which metals?
<i>Step 2:</i> For any metals which 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? Metal:_____DF:_____ Metal:_____DF:_____ Metal:_____DF:_____ Metal:_____DF:_____ Etc.	Look up the limit calculated at the corresponding dilution factor in Appendix IV. Do any of the metals in the influent have the potential to exceed the corresponding effluent limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y____ N____ If Y, list which metals:

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

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank	Air stripper	Oil/water separator	Equalization tanks	Bag filter	GAC filter
	Chlorination	De-chlorination	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 _____ gpm Maximum flow rate of treatment system _____ gpm

Design flow rate of treatment system _____ gpm

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 to receiving water _____	Within facility (sewer) _____	Storm drain _____	Wetlands _____	Other (describe): _____
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:					
c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water: 1. For multiple discharges, number the discharges sequentially. 2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.					
d) Provide the state water quality classification of the receiving water _____					
e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water _____ cfs Please attach any calculation sheets used to support stream flow and dilution calculations.					
f) Is the receiving water a listed 303(d) water quality impaired or limited water? Y____ N____ If yes, for which pollutant(s)? Phosphorus _____					
Is there a final TMDL? Y____ N____ If yes, for which pollutant(s)? _____					

6. ESA and NHPA Eligibility.

Please provide the following information according to requirements of Permit Parts I.A.4 and I.A.5 Appendices II and VII.

- a) Using the instructions in Appendix VII and information on Appendix II, under which criterion listed in Part I.C are you eligible for coverage under this general permit?
A ____ B ____ C ____ D ____ E ____ F ____
- b) If you selected Criterion D or F, has consultation with the federal services been completed? Y ____ N ____ Underway ____
- c) If consultation with U.S. Fish and Wildlife Service and/or NOAA Fisheries Service was completed, was a written concurrence finding that the discharge is “not likely to adversely affect” listed species or critical habitat received? Y ____ N ____
- d) Attach documentation of ESA eligibility as described in the NOI instructions and required by Appendix VII, Part I.C, Step 4.
- e) Using the instructions in Appendix VII, under which criterion listed in Part II.C are you eligible for coverage under this general permit?
1 ____ 2 ____ 3 ____
- f) If Criterion 3 was selected, attach all written correspondence with the State or Tribal historic preservation officers, including any terms and conditions that outline measures the applicant must follow to mitigate or prevent adverse effects due to activities regulated by the RGP.

7. Supplemental information.

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

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

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

Facility/Site Name:	Hess Petroleum Retail Station #21508
Operator signature:	
Printed Name & Title:	Patrick D. Corcoran, LSP
Date:	02/17/2012

Remediation General Permit – Notice of Intent
Maximum Daily Value and Dilution Factor Calculations

Maximum Daily Value

To calculate the maximum daily value in kilograms of each parameter believed to be present, the following formula was used:

$$0.072 \text{ MGD} * \text{concentration of parameter in mg/L} * 8.34 = \text{kg}$$

Example:

Total Suspended Solids:

$$0.072 \text{ MGD} * 8,260 \text{ mg/L} * 8.34 = 2.25\text{E}+03 \text{ kg}$$

Dilution Factor

To calculate the dilution factor the following formula was used:

$$DF = (Q_d + Q_s) / Q_d \quad \text{where: } Q_d = \text{Maximum flow rate of discharge in cfs} \\ Q_s = \text{Receiving water 7Q10 flow in cfs}$$

$$DF = (0.1115 \text{ cfs} + 29.4 \text{ cfs}) / 0.1115 \text{ cfs} = 264.68$$

Note: The 7Q10 of the North Nashua River in Leominster, MA was obtained from the USGS Surface Water Statistics for Massachusetts at Gage # 01094500 North Nashua River near Leominster, Massachusetts. Data presented by USGS were reviewed and a 7Q10 was calculated for the past two decades. The lowest 7Q10 is assumed to be representative of the 7Q10 flow in the North Nashua River. The lowest average 7-day flow was calculated from the year and month with the lowest average yearly and lowest average monthly flow (see table below).

Year Range	Year with lowest average flow (flow in cfs)	Month with lowest average flow (flow in cfs)	7-day span with lowest flows	7Q10 (cfs)
1990-2000	1999 (145.0)	August 1999 (34.3)	8/7/99 – 8/13/99	29.4
2000-2009	2002 (105.4)	August 2002 (30.2)	8/25/00 – 8/31/00	52.1

ATTACHMENT B



01/31/12

Technical Report for

EnviroTrac

Hess:#21508, 482 Main Street, Leominster, MA

21508

Accutest Job Number: MC7549

Sampling Date: 01/27/12

Report to:

EnviroTrac

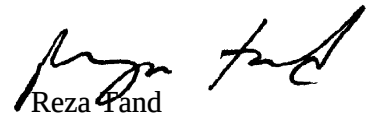
patrickc@envirotrac.com

ATTN: Patrick Corcoran

Total number of pages in report: **15**



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


Reza Fand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235)
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Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary 3

Section 2: Sample Results 4

2.1: MC7549-1: MW-1 5

Section 3: Misc. Forms 10

3.1: Certification Exceptions 11

3.2: Parameter Certifications (MA) 12

3.3: Chain of Custody 14



Sample Summary

EnviroTrac

Job No: MC7549

Hess:#21508, 482 Main Street, Leominster, MA
Project No: 21508

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
MC7549-1	01/27/12	12:00 AS	01/27/12	AQ	Ground Water	MW-1

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-1	Date Sampled:	01/27/12
Lab Sample ID:	MC7549-1	Date Received:	01/27/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 524.2 REV 4.1		
Project:	Hess:#21508, 482 Main Street, Leominster, MA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T23116.D	10	01/29/12	AT	n/a	n/a	MST827
Run #2							

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

VOA List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	5.0	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	ug/l	
75-25-2	Bromoform	ND	5.0	ug/l	
74-83-9	Bromomethane	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	38.6	5.0	ug/l	
135-98-8	sec-Butylbenzene	15.6	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
108-90-7	Chlorobenzene	ND	5.0	ug/l	
75-00-3	Chloroethane	ND	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	5.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
74-95-3	Dibromomethane	ND	5.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	5.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	5.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	5.0	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	01/27/12
Lab Sample ID:	MC7549-1	Date Received:	01/27/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 524.2 REV 4.1		
Project:	Hess:#21508, 482 Main Street, Leominster, MA		

VOA List

CAS No.	Compound	Result	RL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	ND	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	11.8	5.0	ug/l	
99-87-6	p-Isopropyltoluene	13.7	5.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	320	5.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	21.1	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
994-05-8	tert-Amyl Methyl Ether	31.9	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	44.4	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	13.7	5.0	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	ug/l	
108-88-3	Toluene	ND	5.0	ug/l	
79-01-6	Trichloroethylene	ND	5.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
75-65-0	Tertiary Butyl Alcohol	ND	100	ug/l	
75-01-4	Vinyl chloride	ND	5.0	ug/l	
	m,p-Xylene	14.9	5.0	ug/l	
95-47-6	o-Xylene	6.9	5.0	ug/l	
1330-20-7	Xylenes (total)	21.8	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	117%		70-130%
460-00-4	4-Bromofluorobenzene	78%		70-130%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-1	Date Sampled:	01/27/12
Lab Sample ID:	MC7549-1	Date Received:	01/27/12
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8015		
Project:	Hess:#21508, 482 Main Street, Leominster, MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH25962.D	1	01/31/12	AP	n/a	n/a	GBH1435
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (VOA)	1.24	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
615-59-8	2,5-Dibromotoluene	94%		60-126%	

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: MW-1	Date Sampled: 01/27/12
Lab Sample ID: MC7549-1	Date Received: 01/27/12
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Hess:#21508, 482 Main Street, Leominster, MA	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	01/30/12	01/30/12	EAL	SW846 6010C ² SW846 3010A ³
Arsenic	192	4.0	ug/l	1	01/30/12	01/30/12	EAL	SW846 6010C ² SW846 3010A ³
Cadmium	< 4.0	4.0	ug/l	1	01/30/12	01/30/12	EAL	SW846 6010C ² SW846 3010A ³
Chromium	195	10	ug/l	1	01/30/12	01/30/12	EAL	SW846 6010C ² SW846 3010A ³
Copper	105	25	ug/l	1	01/30/12	01/30/12	EAL	SW846 6010C ² SW846 3010A ³
Iron	102000	100	ug/l	1	01/30/12	01/30/12	EAL	SW846 6010C ² SW846 3010A ³
Lead	47.5	5.0	ug/l	1	01/30/12	01/30/12	EAL	SW846 6010C ² SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	01/30/12	01/31/12	DA	SW846 7470A ¹ SW846 7470A ⁴
Nickel	156	40	ug/l	1	01/30/12	01/30/12	EAL	SW846 6010C ² SW846 3010A ³
Selenium	< 10	10	ug/l	1	01/30/12	01/30/12	EAL	SW846 6010C ² SW846 3010A ³
Silver	< 5.0	5.0	ug/l	1	01/30/12	01/30/12	EAL	SW846 6010C ² SW846 3010A ³
Zinc	223	20	ug/l	1	01/30/12	01/30/12	EAL	SW846 6010C ² SW846 3010A ³

(1) Instrument QC Batch: MA13891

(2) Instrument QC Batch: MA13895

(3) Prep QC Batch: MP18492

(4) Prep QC Batch: MP18494

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-1	Date Sampled: 01/27/12
Lab Sample ID: MC7549-1	Date Received: 01/27/12
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Hess:#21508, 482 Main Street, Leominster, MA	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	1150	100	mg/l	100	01/31/12	CF	SM21 4500CL C
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	01/27/12 16:58	CF	SW846 7196A
Chromium, Trivalent ^a	0.20	0.020	mg/l	1	01/30/12 18:44	EAL	6010/7196A M/200.7
Solids, Total Suspended	8260	20	mg/l	5	01/27/12	BF	SM21 2540D
Total Residual Chlorine ^b	< 0.050	0.050	mg/l	1	01/27/12 17:23	CF	SM21 4500CL F

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

(b) Analysis performed past the required 15 minutes of collection time/holding time.

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Parameter Certifications (MA)
- Chain of Custody

Parameter Certification Exceptions

Job Number: MC7549
Account: ENVTRAC EnviroTrac
Project: Hess:#21508, 482 Main Street, Leominster, MA

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
tert-Amyl Methyl Ether	994-05-8	EPA 524.2 REV 4.1	AQ	Certified by SOP MMS152/GC-MS
Tertiary Butyl Alcohol	75-65-0	EPA 524.2 REV 4.1	AQ	Certified by SOP MMS152/GC-MS

Parameter Certifications

Job Number: MC7549
Account: ENVTRAC EnviroTrac
Project: Hess:#21508, 482 Main Street, Leominster, MA

The following parameters included in this report are certified by the state of MA.

Parameter	CAS#	Method	Mat	Certification Status
Benzene	71-43-2	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Bromobenzene	108-86-1	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Bromochloromethane	74-97-5	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Bromodichloromethane	75-27-4	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Bromoform	75-25-2	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Bromomethane	74-83-9	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
n-Butylbenzene	104-51-8	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
sec-Butylbenzene	135-98-8	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
tert-Butylbenzene	98-06-6	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Carbon tetrachloride	56-23-5	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Chlorobenzene	108-90-7	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Chloroethane	75-00-3	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Chloroform	67-66-3	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Chloromethane	74-87-3	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
o-Chlorotoluene	95-49-8	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
p-Chlorotoluene	106-43-4	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,1-Dichloroethane	75-34-3	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,1-Dichloroethylene	75-35-4	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,1-Dichloropropene	563-58-6	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,2-Dibromo-3-chloropropane	96-12-8	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,2-Dibromoethane	106-93-4	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,2-Dichloroethane	107-06-2	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,2-Dichloropropane	78-87-5	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,3-Dichloropropane	142-28-9	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
2,2-Dichloropropane	594-20-7	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Dibromochloromethane	124-48-1	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Dibromomethane	74-95-3	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Dichlorodifluoromethane	75-71-8	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
cis-1,2-Dichloroethylene	156-59-2	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
cis-1,3-Dichloropropene	10061-01-5	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
m-Dichlorobenzene	541-73-1	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
o-Dichlorobenzene	95-50-1	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
p-Dichlorobenzene	106-46-7	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
trans-1,2-Dichloroethylene	156-60-5	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
trans-1,3-Dichloropropene	10061-02-6	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Ethylbenzene	100-41-4	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Hexachlorobutadiene	87-68-3	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Isopropylbenzene	98-82-8	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
p-Isopropyltoluene	99-87-6	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Methyl Tert Butyl Ether	1634-04-4	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Methylene chloride	75-09-2	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Naphthalene	91-20-3	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.

Parameter Certifications

Job Number: MC7549

Account: ENVTRAC EnviroTrac

Project: Hess:#21508, 482 Main Street, Leominster, MA

The following parameters included in this report are certified by the state of MA.

Parameter	CAS#	Method	Mat	Certification Status
n-Propylbenzene	103-65-1	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Styrene	100-42-5	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,1,1,2-Tetrachloroethane	630-20-6	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,1,1-Trichloroethane	71-55-6	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,1,2,2-Tetrachloroethane	79-34-5	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,1,2-Trichloroethane	79-00-5	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,2,3-Trichlorobenzene	87-61-6	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,2,3-Trichloropropane	96-18-4	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,2,4-Trichlorobenzene	120-82-1	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,2,4-Trimethylbenzene	95-63-6	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
1,3,5-Trimethylbenzene	108-67-8	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Tetrachloroethylene	127-18-4	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Toluene	108-88-3	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Trichloroethylene	79-01-6	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Trichlorofluoromethane	75-69-4	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Vinyl chloride	75-01-4	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Xylenes (total)	1330-20-7	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
m,p-Xylene		EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
o-Xylene	95-47-6	EPA 524.2 REV 4.1	AQ	Accutest is certified for this parameter.
Chloride	16887-00-6	SM21 4500CL C	AQ	Accutest is certified for this parameter.
Solids, Total Suspended		SM21 2540D	AQ	Accutest is certified for this parameter.
Total Residual Chlorine		SM21 4500CL F	AQ	Accutest is certified for this parameter.

Accutest Laboratories of New England
495 Technology Center West, Building One
TEL. 508-481-6200 FAX: 508-481-7753
www.accutest.com

[illegible]

MC7549: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC7549

Client: ENVIROTRAC

Immediate Client Services Action Required: No

Date / Time Received: 1/27/2012

Delivery Method:

Client Service Action Required at Login: No

Project:

No. Coolers:

1

Airbill #'s:

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | ☒ | ☐ | 3. COC Present: | ☒ | ☐ |
| 2. Custody Seals Intact: | ☒ | ☐ | 4. Smpl Dates/Time OK | ☒ | ☐ |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | ☒ | ☐ |
| 2. Cooler temp verification: | Infrared gun | |
| 3. Cooler media: | Ice (bag) | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | ☐ | ☐ | ☒ |
| 2. Trip Blank listed on COC: | ☐ | ☐ | ☒ |
| 3. Samples preserved properly: | ☒ | ☐ | |
| 4. VOCs headspace free: | ☒ | ☐ | ☐ |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | ☒ | ☐ |
| 2. Container labeling complete: | ☒ | ☐ |
| 3. Sample container label / COC agree: | ☒ | ☐ |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | ☒ | ☐ |
| 2. All containers accounted for: | ☒ | ☐ |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | ☒ | ☐ | |
| 2. Bottles received for unspecified tests | ☐ | ☒ | |
| 3. Sufficient volume recvd for analysis: | ☒ | ☐ | |
| 4. Compositing instructions clear: | ☐ | ☐ | ☒ |
| 5. Filtering instructions clear: | ☐ | ☐ | ☒ |

Comments

ATTACHMENT C



February 17, 2012

Mr. Thomas Chapman, Supervisor
U.S. Fish and Wildlife Service
New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5087

Re: Hess Station # 21508
482 Main Street, Leominster, MA 01453-2939

Dear Mr. Chapman:

EnviroTrac Ltd. (EnviroTrac) plans to prepare a Notice of Intent for coverage of a temporary discharge under the National Pollutant Discharge Elimination System (NPDES) Remediation & Miscellaneous Contaminated Sites General Permit (RGP) on behalf of Hess Corporation (Hess). The temporary discharge is expected to be approximately one month in duration and will consist of treated groundwater generated during construction dewatering associated with the removal of three existing 10,000 gallon underground storage tanks (USTs) and the installation of two 20,000 gallon double-walled USTs. A site locus map is provided as **Figure 1**.

EnviroTrac plans to discharge treated groundwater removed during dewatering activities to a catch basin located southeast of the facility in Main Street. This catch basin drains to an outfall at the North Nashua River approximately 100 feet east of the facility. Groundwater will be sampled prior to dewatering and during dewatering and treatment in accordance with RGP requirements.

Leominster, Massachusetts is located in a National Heritage & Endangered Species Program Estimated Rare Wetland Habitat associated with the small whorled pogonia. Please advise whether the location of the proposed discharge is located within an area where the small whorled pogonia has been identified, or whether the proposed discharge is unlikely to affect the listed species. Should you have any questions, please contact the undersigned at (781) 793-0074.

Sincerely,
EnviroTrac Ltd.

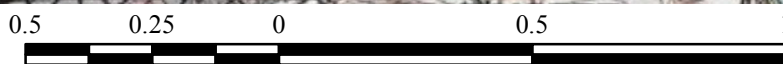
A handwritten signature in blue ink, appearing to read "J. Krawiec", with a long horizontal flourish extending to the right.

Jesse Krawiec
Senior Project Manager

cc: Mike Matri, Hess Corporation

Attachment: Site Locus Map

2 Merchant Street, Sharon, MA 02067 (781) 793-0074 Fax: (781) 793-7877
www.envirotrac.com



Miles

Scale: 1:24,000

Hess Station #21508
482 Main Street
Leominster, MA 01453-2939

FIGURE 1

SITE LOCUS MAP
UNITED STATES GEOLOGICAL SURVEY
FITCHBURG AND SHIRLEY, MA QUADRANGLES

Contour Interval: 3 m

UTM Coordinates:
4,713,330 m North
274,760 m East

Latitude/Longitude:
42° 32' 22" North
71° 44' 33" West



EnviroTrac
Environmental Services

ATTACHMENT D

nps.gov

National Park Service
U.S. Department of the Interior



National Register of Historic Places



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- [Pine Grove Cemetery](#) *[Image]* 8%
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- [Whitney, F. A., Carriage Company Complex Historic District](#) *[Image]* 8%

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Last updated: 01/30/1273

Massachusetts Cultural Resource Information System

MACRIS

MACRIS Search Results

Search Criteria: Town(s): Leominster; Resource Type(s): Area, Building, Burial Ground, Object, Structure;

Inv. No.	Property Name	Street	Town	Year
LEO.A	West Side District		Leominster	
LEO.B	Pond, Cottage, Cotton, Pearl Streets District		Leominster	
LEO.C	Morseville		Leominster	
LEO.D	Lower Central and Lancaster Streets District		Leominster	
LEO.E	Lincoln Terrace		Leominster	
LEO.F	South Leominster		Leominster	
LEO.G	North Leominster		Leominster	
LEO.H	East Side		Leominster	
LEO.I	No Town		Leominster	
LEO.J	Whalom		Leominster	
LEO.K	Monument Square Historic District		Leominster	
LEO.L	Whitney, F. A. Carriage Co. Complex District		Leominster	
LEO.M	Wachusett Shirt Company		Leominster	
LEO.N	Cluett Peabody and Company		Leominster	
LEO.O	Pine Grove Cemetery		Leominster	
LEO.P	The Underground Railroad in Massachusetts,		Leominster	
LEO.936	Adams Street Bridge over Monoosnoc Brook	Adams St	Leominster	1904
LEO.140	Gardner, John House	125 Adams St	Leominster	1796
LEO.141	Jewett Piano Case Factory	140 Adams St	Leominster	1892
LEO.88	Lyon, Albert E. House	1 Arlington St	Leominster	1876
LEO.89	Pierce, Charles Sumner - Packard, Freemont House	7-9 Arlington St	Leominster	1881
LEO.90	Tenney, Francis W. House	30 Arlington St	Leominster	1898
LEO.91	Barnes, Charles E. House	74 Arlington St	Leominster	1882
LEO.92	Stearns, Caroline House	146 Arlington St	Leominster	1895
LEO.146	Morse, G. and A. Worker Housing	10 Birch St	Leominster	1848
LEO.147	Walsh, David I. Birthplace	30 Birch St	Leominster	1840

Inv. No.	Property Name	Street	Town	Year
LEO.99	Page, Willard House	43 Blossom St	Leominster	1877
LEO.100	Rowley, Frederick House	47 Blossom St	Leominster	1906
LEO.101	Jones, George W. House	53 Blossom St	Leominster	1878
LEO.102	Conant, Henry E. House	54 Blossom St	Leominster	1880
LEO.103	Spaulding, Benjamin B. House	56-58 Blossom St	Leominster	1875
LEO.104	Wilder, Harry C. House	74 Blossom St	Leominster	1880
LEO.105	Gilson, William E. House	96 Blossom St	Leominster	1902
LEO.106	Woods, Deborah M. House	102 Blossom St	Leominster	1905
LEO.107	Cook, William A. House	111 Blossom St	Leominster	1875
LEO.108	Brissman, Axel House	118 Blossom St	Leominster	1900
LEO.109	Hill, Otis House	142 Blossom St	Leominster	1897
LEO.167	Ciccolini, Daniel House	32 Castle St	Leominster	1933
LEO.168	Perla, Ascenzio House	37 Castle St	Leominster	1933
LEO.224	Farrell, William House	32 Cedar St	Leominster	1865
LEO.155	Tisdale, George E. House	137 Central St	Leominster	1862
LEO.156	Colburn, J. House	138-140 Central St	Leominster	1837
LEO.157	Scanlon, John F. House	161 Central St	Leominster	1862
LEO.272	Gallagher, Mary A. Junior High School	Church St	Leominster	1928
LEO.909	Police Department Monument	Church St	Leominster	1959
LEO.264	Central Fire Station	19 Church St	Leominster	1898
LEO.269	First Baptist Society Church	26 Church St	Leominster	1891
LEO.277	Leominster Police Station	29 Church St	Leominster	1962
LEO.276	Enterprise Building	21 Colburn Ct	Leominster	1904
LEO.135	Blodgett, Franklin House	65 Cottage St	Leominster	1880
LEO.136	Blodgett, Edward F. House	72 Cottage St	Leominster	1871
LEO.137	Hart, Joseph H. House	103 Cottage St	Leominster	1880
LEO.138	Merrick, Michael House	107 Cottage St	Leominster	1880
LEO.139	Crane, Michael House	111 Cottage St	Leominster	1875
LEO.935	Cotton Street Bridge over Monoosnoc Brook	Cotton St	Leominster	1902
LEO.133	Cotton, Ward M. House	12 Cotton St	Leominster	1795
LEO.134	Ensign, Elbert House	27 Cotton St	Leominster	1882
LEO.159	Cross Street School	16 Cross St	Leominster	1896
LEO.158	Conlin, Patrick House	17 Cross St	Leominster	1862
LEO.160	Foster, Mary J. House	25 Cross St	Leominster	1903
LEO.229	Hartford, Myron L. House	11 Eighth St	Leominster	1896
LEO.148	Gates, Samuel House	161 Elm St	Leominster	1810
LEO.149		215 Elm St	Leominster	1810
LEO.150	Sheldon, Pelatiah House	495 Elm St	Leominster	1820

Inv. No.	Property Name	Street	Town	Year
LEO.151	Cole, Leonard House	589 Elm St	Leominster	1820
LEO.144	Pitts, William and Seth Nail Shop	96 Exchange St	Leominster	1860
LEO.145	Morse's County Store	118 Exchange St	Leominster	1840
LEO.223	Rice, Alton House	25 Fifth St	Leominster	1893
LEO.216	Eichoff, Lillian House	120-122 First St	Leominster	1910
LEO.217	Cluett Peabody and Company 1902 Mill	123 First St	Leominster	1902
LEO.296	Cluett Peabody and Company 1937 Addition	123 First St	Leominster	1937
LEO.297	Cluett Peabody and Company Boiler Plant	123 First St	Leominster	1902
LEO.299	Cluett Peabody and Company 1957 Addition	123 First St	Leominster	1957
LEO.927	Cluett Peabody and Company Chimney	123 First St	Leominster	1902
LEO.928	Cluett Peabody and Company Power Transmitter	123 First St	Leominster	1950
LEO.218	Driscoll, Patrick J. House	132 First St	Leominster	1902
LEO.221	Fortier, Armand J. House	23 Fourth St	Leominster	1927
LEO.222	Quint, Arthur H. - Proulx, George E. House	116 Fourth St	Leominster	1928
LEO.152	Drake, Frances H. and Jonathan House	21 Franklin St	Leominster	1848
LEO.153	Leominster #8 Schoolhouse	51 Franklin St	Leominster	1806
LEO.43	Clapp, Fred A. House	3 Gardner Pl	Leominster	1893
LEO.44	Burdett, Everett E. House	4 Gardner Pl	Leominster	1900
LEO.45	Todd House	5 Gardner Pl	Leominster	1894
LEO.46	Davis, Herbert E. House	6 Gardner Pl	Leominster	1893
LEO.47	Walker, Alfred L. House	9 Gardner Pl	Leominster	1892
LEO.918	Carter, James Gordon Monument	Granite St	Leominster	1940
LEO.188	Joslin, Elias Jr. House	98 Grant St	Leominster	1830
LEO.233	Wellington Piano Case Company	54 Green St	Leominster	1895
LEO.31	Whitney, William B. House	6 Grove Ave	Leominster	1880
LEO.32	Foster, Joseph C. House	20 Grove Ave	Leominster	1937
LEO.33	Chase, William H. House	25 Grove Ave	Leominster	1880
LEO.34	Harwood, Nahum House	35 Grove Ave	Leominster	1880
LEO.35	Miller, Stephen A. House	43 Grove Ave	Leominster	1880
LEO.36	Hudson, Frederick L. - Platt, Frederick T. House	51 Grove Ave	Leominster	1880
LEO.37	Shaw, Francis H. House	59 Grove Ave	Leominster	1876
LEO.38	Smith, Henry R. House	72 Grove Ave	Leominster	1908
LEO.39	Ricker, John W. House	79 Grove Ave	Leominster	1915
LEO.40	Rugg, Andrew J. House	84 Grove Ave	Leominster	1880
LEO.41	Cropper, William H. House	94 Grove Ave	Leominster	1906
LEO.42	Richardson, Silas House	184 Grove Ave	Leominster	1826
LEO.232	Bracket, Samuel House	2 Harrison St	Leominster	1880
LEO.243	Derby Farm	438 Harvard St	Leominster	1728

Inv. No.	Property Name	Street	Town	Year
LEO.185	Wilder, Edward House	Hill St	Leominster	1785
LEO.917	First House in Leominster Marker	Hill St	Leominster	1910
LEO.919	Appleseed, Johnny Monument	Johnny Appleseed Ln	Leominster	1963
LEO.161	Glass, Peter House	68 Lancaster St	Leominster	1853
LEO.162	Draffin, Alexander House	73 Lancaster St	Leominster	1842
LEO.230	Lancaster Street School	210 Lancaster St	Leominster	1900
LEO.247	Carter, Phineas House	838 Lancaster St	Leominster	1757
LEO.931	Lawrence Street Railroad Bridge	Lawrence St	Leominster	1917
LEO.204	Carter, Jonathan House	200 Lawrence St	Leominster	1817
LEO.163	Valeri, Ascenzio - DiPaoli, Chester House	70 Lincoln Terr	Leominster	1932
LEO.164	Valeri, Giuseppe House	74 Lincoln Terr	Leominster	1910
LEO.165	Robichaud, Patrick House	100 Lincoln Terr	Leominster	1898
LEO.166	Cosimi - Gabriele - Visco House	129 Lincoln Terr	Leominster	1928
LEO.241	Grayling Hall	401 Lindell Ave	Leominster	1907
LEO.242	Dillon, Frank D. House	402 Lindell Ave	Leominster	1911
LEO.184	Whitcomb, Josiah House	54 Lowe St	Leominster	1823
LEO.900	Carter Park	Main St	Leominster	1754
LEO.901	Civil War Monument	Main St	Leominster	1867
LEO.902	Second Meetinghouse Marker	Main St	Leominster	1915
LEO.903	Indian Mortar Monument, Old	Main St	Leominster	1917
LEO.911	First Burial Ground Marker	Main St	Leominster	1911
LEO.914	Willard Memorial	Main St	Leominster	1903
LEO.915	Veterans of Foreign Wars Memorial	Main St	Leominster	1931
LEO.916	Carter, Oliver Monument	Main St	Leominster	1906
LEO.930	Main Street Railroad Bridge	Main St	Leominster	1917
LEO.933	Main Street Bridge over North Nashua River	Main St	Leominster	1872
LEO.955	Carter Park - Hazard, Oliver E. Bust	Main St	Leominster	1993
LEO.290	McGrath Block	1 Main St	Leominster	1899
LEO.267	Foster Block	2-8 Main St	Leominster	1874
LEO.266	Bank Building	12 Main St	Leominster	1903
LEO.301	Richardson Building	18-22 Main St	Leominster	1904
LEO.275	Nickerson Building	26 Main St	Leominster	1891
LEO.278	Fidelity Cooperative Bank	29 Main St	Leominster	1969
LEO.274	Mayo Block	38 Main St	Leominster	1909
LEO.279	Foster Building - Balch Place	41-50 Main St	Leominster	1859
LEO.280	Rialto Theater	53 Main St	Leominster	1923
LEO.273		54 Main St	Leominster	1949
LEO.281	Columbia Hotel	65 Main St	Leominster	1892

Inv. No.	Property Name	Street	Town	Year
LEO.270	U. S. Post Office - Leominster Main Branch	68 Main St	Leominster	1928
LEO.110	Newman House	90 Main St	Leominster	1840
LEO.111	Lockey, John H. - Phelps, Louis House	108 Main St	Leominster	1867
LEO.112	Saint Leo's Convent	118 Main St	Leominster	1930
LEO.113	Saint Leo's Convent School	118 Main St	Leominster	1925
LEO.114	Saint Leo's Roman Catholic Church	128 Main St	Leominster	1900
LEO.190	Weston, William S. House	512-514 Main St	Leominster	1845
LEO.191	Kendall Hall	534 Main St	Leominster	1863
LEO.192	Congregational Church of Christ	583 Main St	Leominster	1880
LEO.193	Pierce School	593 Main St	Leominster	1887
LEO.194	Kinsman, Byrus House	658 Main St	Leominster	1870
LEO.195	Putnam, Samuel House	668 Main St	Leominster	1840
LEO.196	Burrage, Capt. Leonard House	683 Main St	Leominster	1823
LEO.197	Pierce, Asa Jr. House	700 Main St	Leominster	1800
LEO.198	Wilder, David House	901 Main St	Leominster	1820
LEO.213	Saint Cecilia's Church	Mechanic St	Leominster	1933
LEO.934	Derby - Sawtell Bridge	Mechanic St	Leominster	1937
LEO.210		101 Mechanic St	Leominster	1929
LEO.211	Lane, Fred M. - Guillardet, Phillipe House	160 Mechanic St	Leominster	1885
LEO.212	Gould, William J. House	171 Mechanic St	Leominster	1876
LEO.214	Rousseau, Orvid House	199-201 Mechanic St	Leominster	1911
LEO.215		203 Mechanic St	Leominster	1908
LEO.282	Leominster Depot	0 Merriam Ave	Leominster	1878
LEO.13	Bigelow, Dr. Charles E. House	75 Merriam Ave	Leominster	1880
LEO.14	First Congregational Unitarian Church Parsonage	81 Merriam Ave	Leominster	1877
LEO.15	Holman, Joseph P. House	106 Merriam Ave	Leominster	1880
LEO.16	Burdett - Paton House	114 Merriam Ave	Leominster	1899
LEO.17	Whitney, F. A. House	127 Merriam Ave	Leominster	1860
LEO.18	Lusk, Agnes A. House	137 Merriam Ave	Leominster	1880
LEO.20	Whitney, Frank J. House	149 Merriam Ave	Leominster	1895
LEO.21	Gane, George A. House	157 Merriam Ave	Leominster	1891
LEO.22	Laserte, Agnes House	181 Merriam Ave	Leominster	1880
LEO.23	Reed, George P. House	182 Merriam Ave	Leominster	1880
LEO.24	Brown, Leonard C. House	187 Merriam Ave	Leominster	1880
LEO.25	Joy, Charles House	193 Merriam Ave	Leominster	1880
LEO.26	Bosworth, Milton H. House	203 Merriam Ave	Leominster	1900
LEO.19	Russell, Charles J. House	143 Merriam St	Leominster	1880

Inv. No.	Property Name	Street	Town	Year
LEO.925	Leominster Common	Monument Sq	Leominster	
LEO.288	McGrath Block, Old	2 Monument Sq	Leominster	1890
LEO.289	Wood Block	14 Monument Sq	Leominster	1890
LEO.929	Monoosnoc Bridge	Mount Elam Rd	Leominster	1966
LEO.231	Swett, Greenleaf L. House	56 Mount Pleasant Ave	Leominster	1867
LEO.115	Baker, Charles F. - Barker, Fred House	84 North Main St	Leominster	1880
LEO.116	Taylor, Margaret House	90 North Main St	Leominster	1880
LEO.117	Ells, William House	100 North Main St	Leominster	1880
LEO.118	Robbins Homestead, Old	162 North Main St	Leominster	1741
LEO.235	Herrick, Jonathan A. House	42 Old Mill Rd	Leominster	1790
LEO.48	Wetherbee House	12 Orchard St	Leominster	1900
LEO.49	Jones, George P. House	17 Orchard St	Leominster	1911
LEO.50	Chapin, John C. House	18 Orchard St	Leominster	1880
LEO.51	Wellington, Frank E. House	25 Orchard St	Leominster	1906
LEO.52	Smith, Henry R. House	34 Orchard St	Leominster	1877
LEO.53	Bartlett, Herbert E. House	37 Orchard St	Leominster	1891
LEO.54	Shaw, Frank J. House	42 Orchard St	Leominster	1909
LEO.55	Kenney, Clesson House	52 Orchard St	Leominster	1890
LEO.56	Stiles, William F. House	56 Orchard St	Leominster	1889
LEO.57	Holden, William House	66 Orchard St	Leominster	1887
LEO.58	Burdett, William C. House	67 Orchard St	Leominster	1890
LEO.59	Kingman, Edward B. House	72 Orchard St	Leominster	1893
LEO.60	Perry, Frederick L. House	73 Orchard St	Leominster	1895
LEO.61	Litch, Alfred N. House	79 Orchard St	Leominster	1890
LEO.62	Shapley, Charles H. House	82 Orchard St	Leominster	1870
LEO.63	Day, Joseph V. House	87 Orchard St	Leominster	1887
LEO.64	Lothrop, Frank A. House	90 Orchard St	Leominster	1890
LEO.65	Rice, George L. House	91 Orchard St	Leominster	1891
LEO.66	Marshall, Alvin House	99 Orchard St	Leominster	1885
LEO.904	Veterans Monument	Park St	Leominster	1973
LEO.287	Allen Block	0 Park St	Leominster	1874
LEO.284		7-11 Park St	Leominster	1972
LEO.142	Patch, Oliver House	16 Pearl St	Leominster	1876
LEO.143	Taft, Oscar Alexander House	61 Pearl St	Leominster	1891
LEO.937	Pleasant Street Bridge over Monoosnoc Brook	Pleasant St	Leominster	1863
LEO.169	Bennett School	145 Pleasant St	Leominster	1874
LEO.170	Blodgett, Benjamin F. House	192 Pleasant St	Leominster	1867
LEO.171	Carter, Elias House	320 Pleasant St	Leominster	1759

Inv. No.	Property Name	Street	Town	Year
LEO.172	Hills, Emerson House	354 Pleasant St	Leominster	1830
LEO.173	Hills House	365 Pleasant St	Leominster	1798
LEO.174	Horsepower Building	366 Pleasant St	Leominster	1812
LEO.175	Woods, George House	547 Pleasant St	Leominster	1825
LEO.176	Boyden House	749 Pleasant St	Leominster	1825
LEO.177	Wilder, Elisha House	807 Pleasant St	Leominster	1734
LEO.178	Buss, Stephen House	915 Pleasant St	Leominster	1743
LEO.179	Buss, Luke House	985 Pleasant St	Leominster	1784
LEO.180	Buss House	1183 Pleasant St	Leominster	1813
LEO.132	Perry, Crocker and Company Leominster Mills	20 Pond St	Leominster	1865
LEO.234	Priest Street School	115 Priest St	Leominster	1893
LEO.199	Baldwin House	7 Prospect St	Leominster	1800
LEO.200	Marshall, Joseph House	14 Prospect St	Leominster	1825
LEO.201	Joslin, Luke Jr. House	84 Prospect St	Leominster	1833
LEO.246	Taintor, E. House	152 Prospect St	Leominster	1720
LEO.202	Derby, Henry House	230 Prospect St	Leominster	1815
LEO.203	Nutting, John C. House	280 Prospect St	Leominster	1825
LEO.131	McDonald, George House	11 Richardson St	Leominster	1882
LEO.189	Kinsman, Cyrus House	37 River St	Leominster	1840
LEO.27	Morhons House	12-14 School St	Leominster	1882
LEO.271	Field School - Leominster Historical Society	15 School St	Leominster	1870
LEO.28	Bowers, Capt. A. House	18 School St	Leominster	1882
LEO.29	Williard, Lucy House	24 School St	Leominster	1882
LEO.30	Robbins, Walter T. House	36 School St	Leominster	1842
LEO.219	Thibault, Wilfred House	107 Second St	Leominster	1931
LEO.227	Boudreau, Arthur House	224 Seventh St	Leominster	1933
LEO.228	Valentine, Richard House	240 Seventh St	Leominster	1927
LEO.225	McNevin, John J. House	11 Sixth St	Leominster	1905
LEO.226	Patiente - Lanzi House	252 Sixth St	Leominster	1902
LEO.209	Tisdale, Andrew House	112 Spruce St	Leominster	1880
LEO.244	Reed, W. S. Toy Company	45 Summer St	Leominster	1879
LEO.220		27-29 Third St	Leominster	1905
LEO.800	Pine Grove Cemetery	Tremaine St	Leominster	1742
LEO.912	First Meeting House Monument	Tremaine St	Leominster	1904
LEO.913	Rugg, Elizabeth Marker	Tremaine St	Leominster	1912
LEO.938	Pine Grove Cemetery East Boundary Chain Link Fence	Tremaine St	Leominster	1935
LEO.939	Pine Grove Cemetery South and West	Tremaine St	Leominster	1850

Inv. No.	Property Name	Street	Town	Year
	Fieldstone Wall			
LEO.940	Pine Grove Cemetery South Entrance Gate	Tremaine St	Leominster	1920
LEO.941	Pine Grove Cemetery North Boundary Stone Wall	Tremaine St	Leominster	1850
LEO.942	Pine Grove Cemetery North Entrance Gate	Tremaine St	Leominster	1920
LEO.943	Pine Grove Cemetery West Wall Entry Steps	Tremaine St	Leominster	1850
LEO.944	Pine Grove Cemetery Tombs	Tremaine St	Leominster	1841
LEO.945	Pine Grove Cemetery Historic Marker	Tremaine St	Leominster	2000
LEO.946	Pine Grove Cemetery Flagpole	Tremaine St	Leominster	1980
LEO.947	Pine Grove Cemetery Flush Headstones	Tremaine St	Leominster	1935
LEO.948	Pine Grove Cemetery Table Stone Marker	Tremaine St	Leominster	1806
LEO.949	Pine Grove Cemetery - Gardner, James Marker	Tremaine St	Leominster	1742
LEO.950	Pine Grove Cemetery - Houghton, Gershom Marker	Tremaine St	Leominster	1754
LEO.951	Pine Grove Cemetery - Richardson Family Plot	Tremaine St	Leominster	1835
LEO.952	Pine Grove Cemetery - Collins, John Obelisk	Tremaine St	Leominster	1836
LEO.953	Pine Grove Cemetery Table Stone Marker	Tremaine St	Leominster	1810
LEO.154	Houde, Adolphe House	87 Union St	Leominster	1891
LEO.303		191 Union St	Leominster	1788
LEO.186	Lincoln, Edward K. House	226 Union St	Leominster	1820
LEO.187	Lincoln Homestead	301 Union St	Leominster	1774
LEO.93	Rodgers, William House	12 Vine St	Leominster	1886
LEO.94	Conlon, Michael T. House	22-24 Vine St	Leominster	1882
LEO.95	Gorman, William H. J. House	34 Vine St	Leominster	1876
LEO.96	Going, Augustus House	37 Vine St	Leominster	1880
LEO.97	Holden, Herbert House	46 Vine St	Leominster	1880
LEO.98	Cushing, Walter H. House	54 Vine St	Leominster	1901
LEO.181	Leominster #6 School	3 Wachusett St	Leominster	1851
LEO.182	Boutell House	50 Wachusett St	Leominster	1835
LEO.183	Nichols, Daniel House	65 Wachusett St	Leominster	1752
LEO.119	Lane, Josiah - Wetherbee, William House	16 Walnut St	Leominster	1842
LEO.120	Joslin, Charles House	19 Walnut St	Leominster	1874
LEO.121	Gavin, William House	20-22 Walnut St	Leominster	1880
LEO.122	Colburn, Ida House	29 Walnut St	Leominster	1900
LEO.123	Whitcomb, Cornelius A. House	31 Walnut St	Leominster	1868
LEO.124	Lockey, Joseph P. House	45 Walnut St	Leominster	1868
LEO.125	Suhlke, Frederick House	63 Walnut St	Leominster	1880
LEO.126	Williams, Albert W. House	104 Walnut St	Leominster	1874
LEO.127	Williams, Tyler F. House	108 Walnut St	Leominster	1880

Inv. No.	Property Name	Street	Town	Year
LEO.128	Richardson Apartment Block	143-145 Walnut St	Leominster	1900
LEO.129	Lowe, Lucian W. House	174 Walnut St	Leominster	1897
LEO.130	Smith, George H. House	185 Walnut St	Leominster	1897
LEO.67	Woodward, Charles E. House	2 Washington St	Leominster	1895
LEO.68	Lothrop, Philip House	9 Washington St	Leominster	1878
LEO.69	Howe, Merrick House	28 Washington St	Leominster	1870
LEO.70	Miller, Joel D. House	29 Washington St	Leominster	1878
LEO.71	Bosworth, Henry M. House	32 Washington St	Leominster	1880
LEO.72	Johnson, Frank A. House	41 Washington St	Leominster	1880
LEO.73	Jobes, Charles J. House	43 Washington St	Leominster	1870
LEO.74	Harrison, William H. House	44 Washington St	Leominster	1878
LEO.75	Killelea, Patrick H. House	50 Washington St	Leominster	1882
LEO.76	Davis, Edwin R. House	51 Washington St	Leominster	1882
LEO.77	Clark, Albert J. House	54 Washington St	Leominster	1881
LEO.78	Tenney, Clement H. House	61 Washington St	Leominster	1882
LEO.79	Porter, George A. House	64 Washington St	Leominster	1900
LEO.80	Osborn, Clarence W. House	65 Washington St	Leominster	1880
LEO.81	Howe, Walter N. House	70 Washington St	Leominster	1886
LEO.82	Richardson, Everett B. House	80 Washington St	Leominster	1912
LEO.83	Cook, William H. House	102 Washington St	Leominster	1880
LEO.84	Gibson, George S. House	110 Washington St	Leominster	1880
LEO.85	Kennedy, Andrew C. House	134 Washington St	Leominster	1880
LEO.86	Gurney, Everett F. House	212 Washington St	Leominster	1903
LEO.87	Leavitt, Henry B. House	235 Washington St	Leominster	1926
LEO.926	Water Street Bridge	Water St	Leominster	1900
LEO.291	Wachusett Shirt Company - Building A	97-100 Water St	Leominster	1887
LEO.292	Wachusett Shirt Company - Building B	97-100 Water St	Leominster	1895
LEO.293	Wachusett Shirt Company - Building C	97-100 Water St	Leominster	1896
LEO.294	Wachusett Shirt Company - Building D	97-100 Water St	Leominster	1887
LEO.295	Wachusett Shirt Company - Building E	97-100 Water St	Leominster	1910
LEO.206	Whitney, F. A. Carriage Company - Mill Building #1	124 Water St	Leominster	1917
LEO.207	Whitney, F. A. Carriage Company - Mill Building #2	124 Water St	Leominster	1872
LEO.248	Whitney, F. A. Carriage Company - Mill Building #4	124 Water St	Leominster	1920
LEO.249	Whitney, F. A. Carriage Company - Mill Building #5	124 Water St	Leominster	1870
LEO.250	Whitney, F. A. Carriage Company - Lumber Shed	124 Water St	Leominster	1884

Inv. No.	Property Name	Street	Town	Year
LEO.251	Whitney, F. A. Carriage Company - Mill Building #7	124 Water St	Leominster	1909
LEO.252	Whitney, F. A. Carriage Company - Celluloid Storag	124 Water St	Leominster	1915
LEO.253	Whitney, F. A. Carriage Company - Drying Kiln	124 Water St	Leominster	1944
LEO.254	Whitney, F. A. Carriage Company - Dry Shed	124 Water St	Leominster	1943
LEO.255	Whitney, F. A. Carriage Company - Power Plant	124 Water St	Leominster	1900
LEO.256	Whitney, F. A. Carriage Company - Acid Shed	124 Water St	Leominster	1930
LEO.257	Whitney, F. A. Carriage Company - Garage	124 Water St	Leominster	1924
LEO.258	Whitney, F. A. Carriage Company - Warehouse	124 Water St	Leominster	1929
LEO.260	Whitney, F. A. Carriage Company - Storage Shed #7A	124 Water St	Leominster	1909
LEO.261	Whitney, F. A. Carriage Company - Auto Sales Offic	124 Water St	Leominster	1955
LEO.262	Whitney, F. A. Carriage Company - Mill Bldg. #14	124 Water St	Leominster	1935
LEO.263	Whitney, F. A. Carriage Company - Engine	124 Water St	Leominster	1922
LEO.300	Whitney, F. A. Carriage Company - Storage - Packin	124 Water St	Leominster	1914
LEO.302	Whitney, F. A. Carriage Company - Mill Building #3	124 Water St	Leominster	1914
LEO.920	Whitney, F. A. Carriage Company - Overhead Bridge	124 Water St	Leominster	1910
LEO.921	Whitney, F. A. Carriage Company - Iron Fence	124 Water St	Leominster	1909
LEO.922	Whitney, F. A. Carriage Company - Dam	124 Water St	Leominster	1872
LEO.923	Whitney, F. A. Carriage Company - Chainlink Fence	124 Water St	Leominster	
LEO.924	Whitney, F. A. Carriage Company - Footbridge	124 Water St	Leominster	1930
LEO.932	Whitney, F. A. Carriage Company - Power Shed Site	124 Water St	Leominster	1872
LEO.265	Whitney and Company	142 Water St	Leominster	1893
LEO.208	Beargeon, Fred E. House	208 Water St	Leominster	1880
LEO.905	Spanish American War Monument	West St	Leominster	1929
LEO.906	World War I Monument	West St	Leominster	1928
LEO.907	Leominster Firefighters Memorial	West St	Leominster	1978
LEO.908	Firefighters Memorial	West St	Leominster	1958
LEO.910	Library Marker	West St	Leominster	1966
LEO.956	Leominster Vietnam Veterans Memorial	West St	Leominster	1990
LEO.268	Congregational Unitarian Church	15 West St	Leominster	1873
LEO.283	Municipal Building	25 West St	Leominster	1915
LEO.285	Orthodox Congregational Church	26 West St	Leominster	1872
LEO.286	Leominster Public Library	30 West St	Leominster	1910

Inv. No.	Property Name	Street	Town	Year
LEO.954	Chapman, John Bust	30 West St	Leominster	
LEO.1	Nichols, E. H. House	40 West St	Leominster	1840
LEO.2	Piper, Porter House	48 West St	Leominster	1842
LEO.3	Barrett, Frank L. House	50 West St	Leominster	1880
LEO.4	Kendall, A. Porter House	54 West St	Leominster	1877
LEO.5	Tisdale, Albert A. House	55 West St	Leominster	1895
LEO.6	Earl, Edward House	59 West St	Leominster	1892
LEO.7	Saint Mark's Episcopal Church	60 West St	Leominster	1900
LEO.8	Lockey, John M. House	69 West St	Leominster	1882
LEO.9	Crocker, Samuel S. House	119 West St	Leominster	1868
LEO.10	Jewett, William G. House	135 West St	Leominster	1880
LEO.11	Houghton, Jonathan House	140 West St	Leominster	1738
LEO.12	Blodgett, J. P. House	147 West St	Leominster	1790
LEO.236	Leominster High School	261 West St	Leominster	1904
LEO.237	Gibson Tavern	345 West St	Leominster	1766
LEO.238	Gibson Comb Shop	346 West St	Leominster	1816
LEO.239	Kendall Tavern	746 West St	Leominster	1785
LEO.240	Kendall, Samuel House	900 West St	Leominster	1851
LEO.205	Saxton Trade High School	305 Whitney St	Leominster	1914