EnviroTrac
Environmental Services

September 16, 2011

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

Re: Remediation General Permit (RGP) – Notice of Intent (NOI)
Hess-branded Petroleum Retail Station #21324
2139 Ocean Street
Marshfield, Massachusetts 02050-3149
MassDEP RTN 4-23356

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 NOI form is included as **Attachment A**. The site is currently a Hess-branded petroleum retail station. Temporary construction dewatering is required to facilitate the repair or replacement of an underground storage tank (UST). Based on gauging of monitoring wells at the site, the depth to groundwater is 6 to 7 feet below ground surface (bgs). Excavation to approximately 16 feet bgs is required for the UST repair or replacement. The locations of the site and discharge receiving water (South River) are depicted on **Figure 1**. A site sketch, which depicts the existing site features and the catch basin representing the proposed discharge point, is attached as **Figure 2**.

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 (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 Ocean Street to the north of the site property, which discharges to the South River located approximately 300 feet north of the site. The design flow of the treatment system is 200 gallons per minute (gpm), and the average discharge rate of treated groundwater is anticipated to be 100 gpm.

On July 18, 2011, groundwater samples were obtained from an on-site monitoring well. Bis(2-ethylhexyl)phthalate, zinc, total suspended solids (TSS), chloride, and total residual chloride were detected in groundwater. Concentrations of TSS exceeded the applicable Effluent Limitations published in Appendix III of the RGP for Discharges in Massachusetts. Analytical data are summarized in **Table 1**. The laboratory analytical report for the samples obtained on July 18, 2011 is included in **Attachment B**.

The discharge outfall is not located within a National Heritage & Endangered Species Program. Therefore, a consultation with the U.S. Fish and Wildlife Service was not conducted. However, the outfall is located in a Massachusetts Priority Habitat of Rare Species under the Massachusetts Endangered Species Act (MESA) associated with a variety of plant species at the South River that are listed as endangered, threatened, or special concern (see **Attachment C**). Therefore, a MESA review was filed concurrently with the filing of a Massachusetts Wetlands Protection Act NOI with the Town of Marshfield Conservation Commission. Adverse effects are not anticipated given the distance between the treated discharge and the South River.

According to the National Park Service's National Register Information System (NRIS) (http://www.nr.nps.gov/), the nearest listed historical site is the Thomas Webster Estate located at 238 Webster Street, approximately two miles southeast of the site. The Massachusetts Historical Commission's Massachusetts Cultural Resource Information System (MACRIS) (http://www.sec.state.ma.us/mhc/) listed more than 300 sites in Marshfield. The nearest Massachusetts-listed site, Rev. Charles H. Peck House located at 2183 Ocean Street, approximately 375 feet northwest of the site. Based on the distances to the site, the discharge will not likely adversely affect the historical sites. Copies of the NRIS and MACRIS listings are included in **Attachment C**.

The excavation and dewatering will be conducted as an Immediate Response Action in accordance with provisions of the Massachusetts Contingency Plan as set forth at 310 CMR 40.0424. Therefore, completion and submittal of Massachusetts Department of Environmental Protection Application Form BRPWM 12 or payment of a fee to the Commonwealth of Massachusetts for the proposed discharge 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 Southeast Regional Office
John E. Hall, Chairman, Town of Marshfield Board of Selectman
Town of Marshfield Conservation Commission
M. Matri, Hess Corporation

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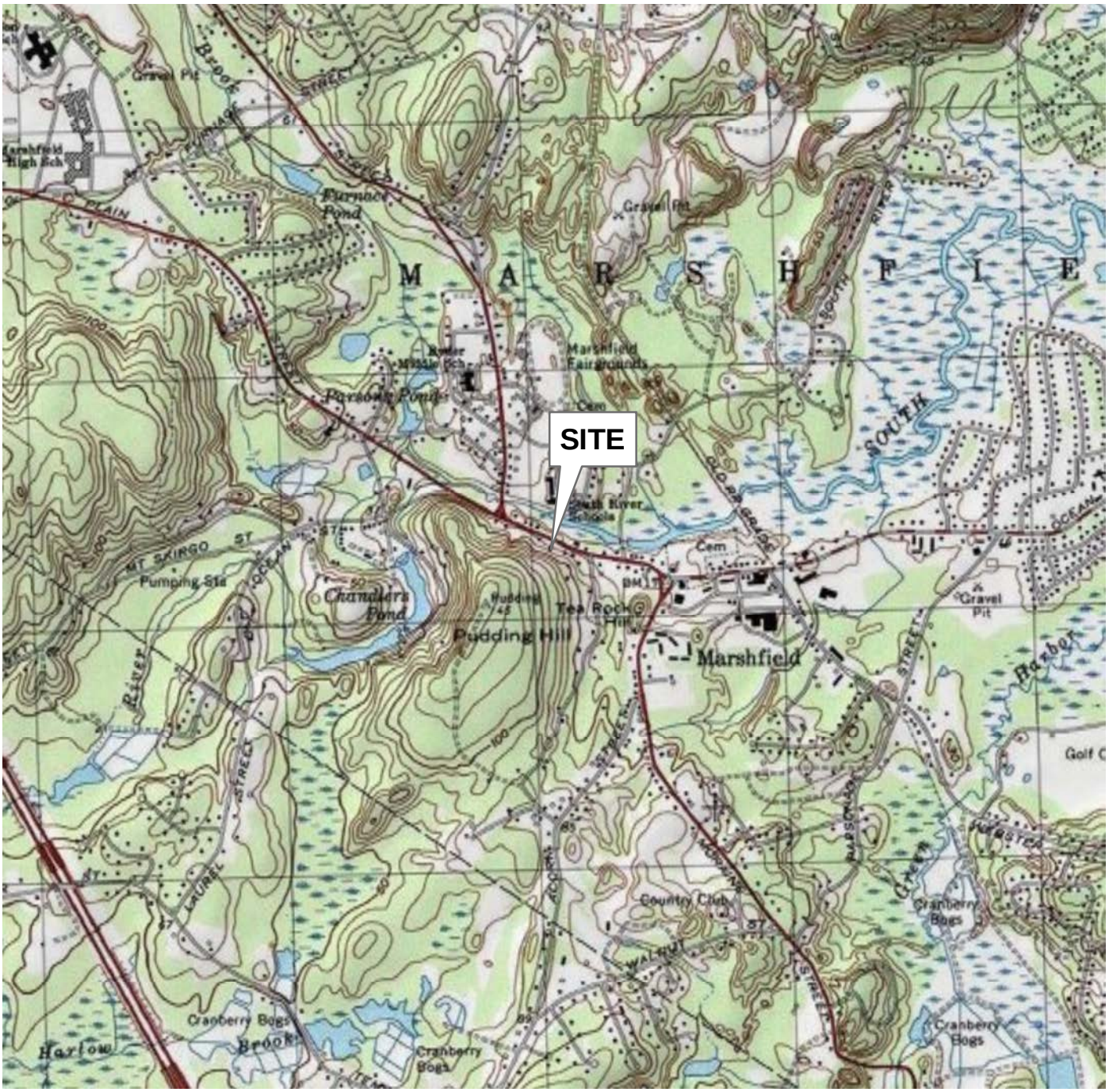
FIGURES



Scale: 1:24,000

Hess Station #21324
2139 Ocean Street
Marshfield, MA 02050-3149

FIGURE 1

SITE LOCUS MAP
UNITED STATES GEOLOGICAL SURVEY
DUXBURY, MA QUADRANGLE

Contour Interval: 10 ft.

UTM Coordinates:

4,661,510 m North
358,130 m East

N
W E
S

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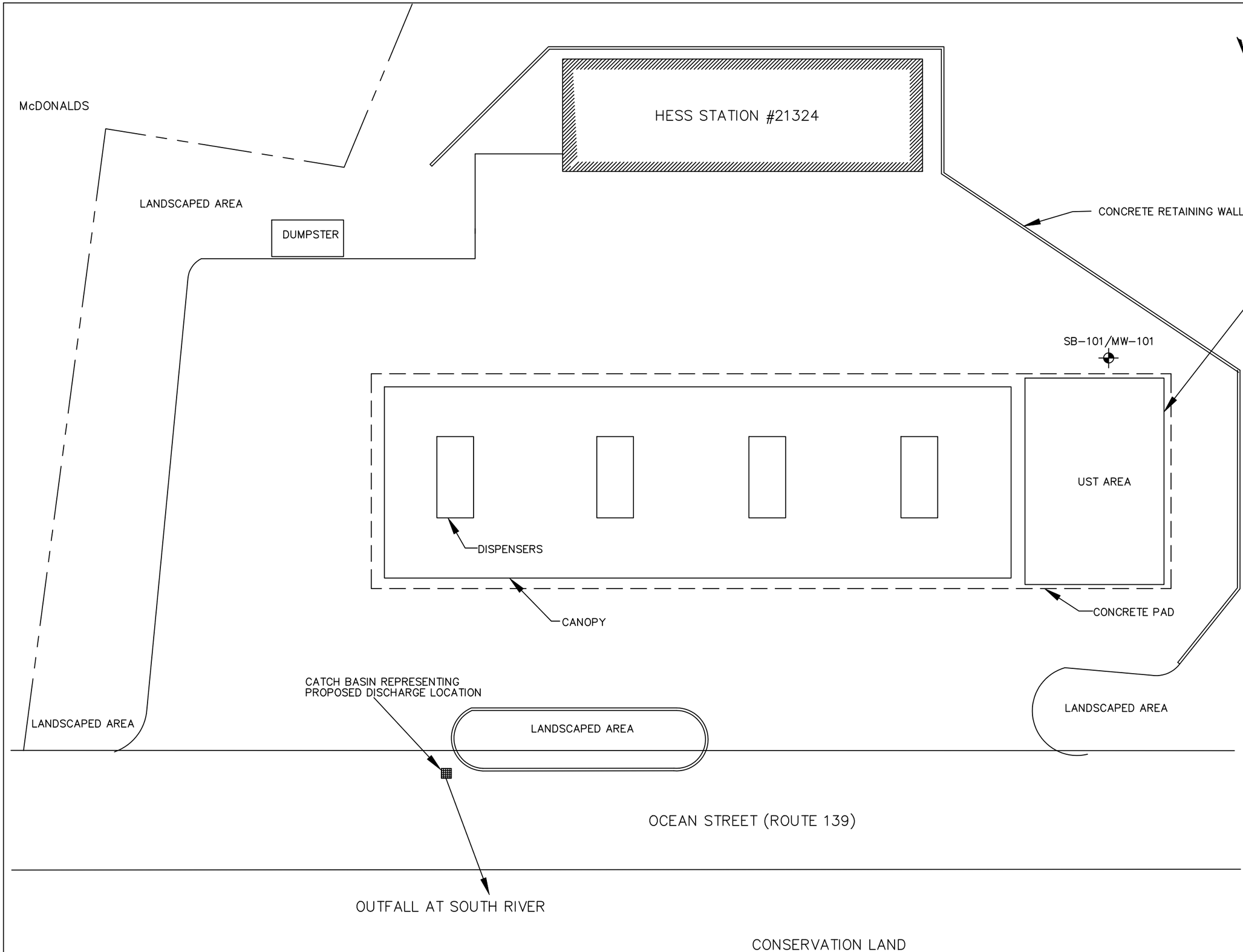


LEGEND

- PROPERTY LINE
- MONITORING WELL LOCATION
- CATCH BASIN

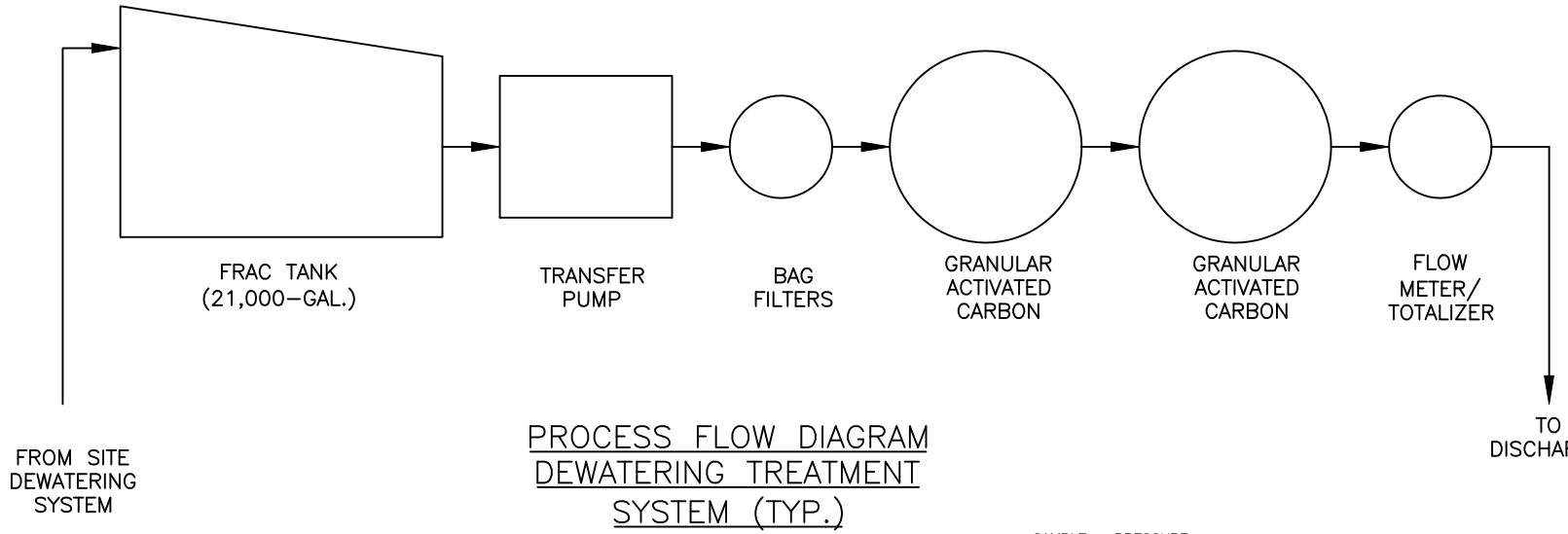
NOT TO SCALE

FIGURE 2

SITE PLAN

HESS STATION #21324
2139 OCEAN STREET
MARSHFIELD, MASSACHUSETTS

EnviroTrac
ENVIRONMENTAL SERVICES
2 Merchant Street, Suite 2, Sharon, MA 02067
Phone: (781)793–0074 Fax: (781)793–7877



PROCESS FLOW DIAGRAM
DEWATERING TREATMENT
SYSTEM (TYP.)

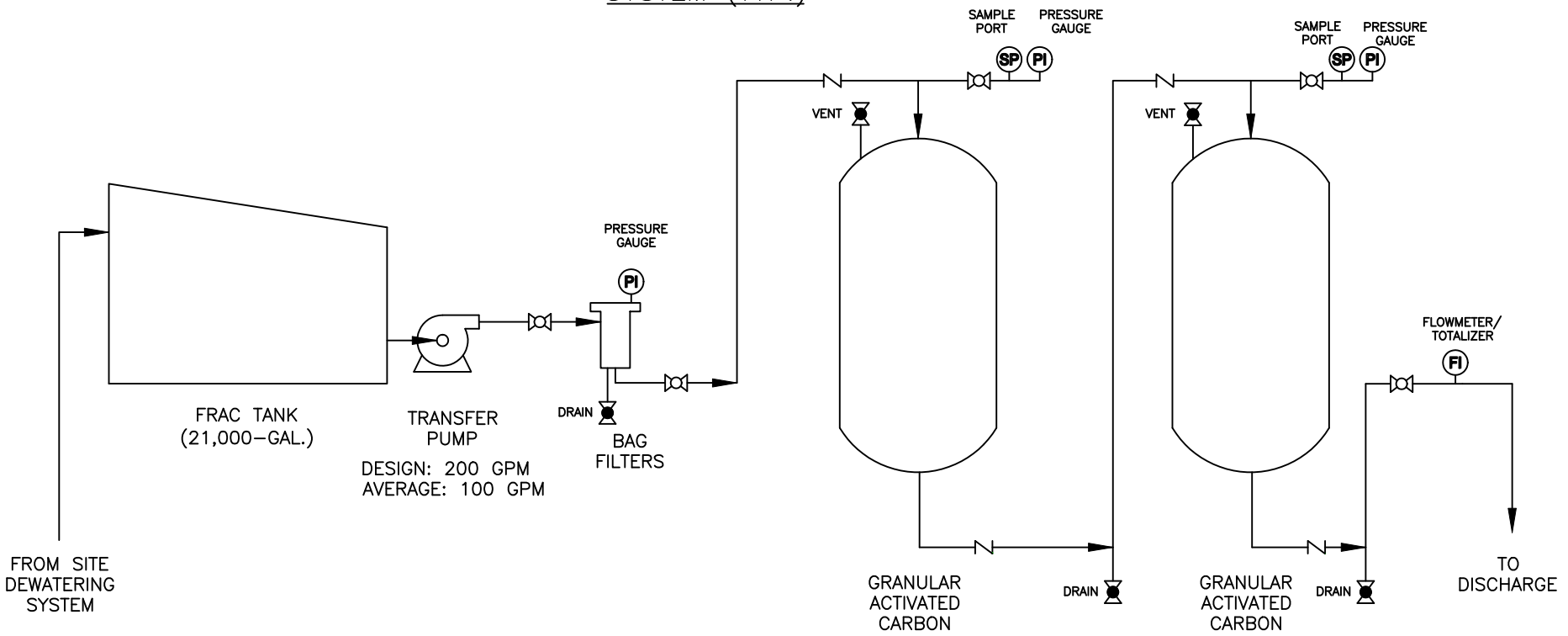


FIGURE # 3	PROCESS FLOW DIAGRAM			HESS STATION #21324 2139 OCEAN STREET MARSHFIELD, MASSACHUSETTS
	CREATED BY: PDC DATE: 02/29/08	NOT TO SCALE	REVISED BY: RP DATE: 07/20/2011	

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 #21324
2139 Ocean Street
Marshfield, Massachusetts

Sample ID Sample Date	MW-101 7/18/2011	RGP Discharge Limit
Volatile Organic Compounds (µg/L)		
Benzene	<0.50	5
Toluene	<1.0	NE
Ethylbenzene	<1.0	NE
Xylenes	<1.0	NE
Total BTEX	ND	100
Naphthalene	<5.0	20
Acetone	<5.0	NE
2-Butanone	<5.0	NE
1,2,4-Trimethylbenzene	<5.0	NE
Methyl tert butyl ether	<1.0	70.0
Tert butyl alcohol	<20	NE
Butyl benzyl phthalate	<5.1	NE
bis(2-ethylhexyl)phthalate	6.0	6.0
All other VOCs	ND	NE
Extractable Petroleum Hydrocarbons (µg/L)		
Acenaphthene	<5.1	NE
Acenaphthylene	<5.1	NE
Anthracene	<5.1	NE
Benzo(g,h,i)perylene	<5.1	NE
Fluoranthene	<5.1	NE
Fluorene	<5.1	NE
Phenanthrene	<5.1	NE
Pyrene	<5.1	NE
Total Group II PAHs	ND	100
Benzo(a)anthracene	<5.1	0.0038
Benzo(a)pyrene	<5.1	0.0038
Benzo(b)fluoranthene	<5.1	0.0038
Benzo(k)fluoranthene	<5.1	0.0038
Chrysene	<5.1	0.0038
Dibenzo(a,h)anthracene	<5.1	0.0038
Indeno(1,2,3-cd)pyrene	<5.1	0.0038
2-Methylnaphthalene	<5.1	NE
Total Metals (µg/L)		
Iron	<100	5,000
Lead	<5.0	8.5
Zinc	54.3	85.6
Arsenic	<4.0	36.0
General Chemistry (mg/L)		
Chloride	17.5	NE
Total Suspended Solids	**136**	30
Total Residual Chlorine	0.15	11

NOTES:

RGP is Remediation General Permit
PAHs is polycyclic aromatic hydrocarbons
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
Group II PAHs include: acenaphthene, acenaphthylene, anthracene, benzo(g,h,i)perylene, fluoranthene, fluorene, phenanthrene, and pyrene
Concentrations listed in bold exceed RGP discharge limits

EnviroTrac Environmental Services

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**: Hess Petroleum Retail Sta. #21324		**Facility/site** mailing address:		
Location of **facility/site**: longitude: -70.715733 latitude: 42.0931388	Facility SIC code(s): 5541	Street: 2139 Ocean Street		
b) Name of **facility/site owner:** Hess Corporation, attn. Michael Matri		Town: Marshfield		
Email address of facility/site owner: mmatri@hess.com		State: MA	Zip: 02050-3149	County: Plymouth
Telephone no. of facility/site **owner**: (750) 732-6432				
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: 1 Hess Plaza				
Town: Woodbridge	State: NJ	Zip: 07095	County: Middlesex	
c) Legal name of **operator**: EnviroTrac Ltd.	**Operator** telephone no: (781) 793-0074	**Operator** fax no.: (781) 793-7877	**Operator** email: patrickc@envirotrac.com	
Operator contact name and title: Patrick D. Corcoran, LSP				
Address of **operator** (if different from owner):	Street: 2 Merchant St., Ste. 2			
Town: Sharon	State: MA	Zip: 02067	County: Norfolk	

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.

Activity Category	**Activity Sub-Category**
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:

Approx. 100 gpm of groundwater will be pumped into a fractionation tank, bag filters, and two 2,000-pound liquid phase carbon units arranged in series. The effluent will be discharged to a catch basin that ultimately discharges to Plum Brook.

b) Provide the following information about each discharge:

1) Number of discharge points: 1

2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft^3/s)?
Max. flow 0.445 Is maximum flow a **design value**? Y ◉ N ○
Average flow (include units) 0.223 Is average flow a design value or estimate? 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 October 2011 end November 2011

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 figure.

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.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids (TSS)		☐	☒	1	Grab	160.2	4000	136,000	1.48E+02	136,000	7.42E+1
2. Total Residual Chlorine (TRC)		☐	☒	1	Grab	330.4	50	150	1.64E-01	150	8.1E-02
3. Total Petroleum Hydrocarbons (TPH)		☒	☐	1	Grab	oil & grease	4.1	0	0	0	0
4. Cyanide (CN)	57125	☒	☐	1	Grab	335.4	10	0	0	0	0
5. Benzene (B)	71432	☒	☐	1	Grab	8260B	0.50	0	0	0	0
6. Toluene (T)	108883	☒	☐	1	Grab	8260B	1.0	0	0	0	0
7. Ethylbenzene (E)	100414	☒	☐	1	Grab	8260B	1.0	0	0	0	0
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207	☒	☐	1	Grab	8260B	2.0	0	0	0	0
9. Total BTEX [2]	n/a	☒	☐	1	Grab	8260B	N/A	0	0	0	0
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) [3]	106934	☒	☐	1	Grab	504	0.017	0	0	0	0
11. Methyl-tert-Butyl Ether (MtBE)	1634044	☒	☐	1	Grab	8260B	1.0	0	0	0	0
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650	☒	☐	1	Grab	8260B	100	0	0	0	0

***** 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.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
13. tert-Amyl Methyl Ether (TAME)	9940508	☒	☐	1	Grab	8260B	2.0	0	0	0	0
14. Naphthalene	91203	☒	☐	1	Grab	8260B	5.0	0	0	0	
15. Carbon Tetrachloride	56235	☒	☐	1	Grab	8260B	1.0	0	0	0	0
16. 1,2 Dichlorobenzene (o-DCB)	95501	☒	☐	1	Grab	8260B	1.0	0	0	0	0
17. 1,3 Dichlorobenzene (m-DCB)	541731	☒	☐	1	Grab	8260B	1.0	0	0	0	0
18. 1,4 Dichlorobenzene (p-DCB)	106467	☒	☐	1	Grab	8260B	1.0	0	0	0	0
18a. Total dichlorobenzene		☒	☐	1	Grab	8260B	1.0	0	0	0	0
19. 1,1 Dichloroethane (DCA)	75343	☒	☐	1	Grab	8260B	1.0	0	0	0	0
20. 1,2 Dichloroethane (DCA)	107062	☒	☐	1	Grab	8260B	1.0	0	0	0	0
21. 1,1 Dichloroethene (DCE)	75354	☒	☐	1	Grab	8260B	1.0	0	0	0	0
22. cis-1,2 Dichloroethene (DCE)	156592	☒	☐	1	Grab	8260B	1.0	0	0	0	0
23. Methylene Chloride	75092	☒	☐	1	Grab	8260B	2.0	0	0	0	0
24. Tetrachloroethene (PCE)	127184	☒	☐	1	Grab	8260B	1.0	0	0	0	0
25. 1,1,1 Trichloro-ethane (TCA)	71556	☒	☐	1	Grab	8260B	1.0	0	0	0	0
26. 1,1,2 Trichloro-ethane (TCA)	79005	☒	☐	1	Grab	8260B	1.0	0	0	0	0
27. Trichloroethene (TCE)	79016	☒	☐	1	Grab	8260B	1.0	0	0	0	0

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
28. Vinyl Chloride (Chloroethene)	75014	☒	☐	1	Grab	8260B	1.0	0	0	0	0
29. Acetone	67641	☒	☐	1	Grab	8260B	5.0	0	0	0	0
30. 1,4 Dioxane	123911	☒	☐	1	Grab	8260B	25	0	0	0	0
31. Total Phenols	108952	☒	☐	1	Grab	8270C	5.6	0	0	0	0
32. Pentachlorophenol (PCP)	87865	☒	☐	1	Grab	8270C	11	0	0	0	0
33. Total Phthalates (Phthalate esters) [4]		☒	☐	1	Grab	8270C	N/A	0	0	0	0
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	117817	☐	☒	1	Grab	8270C	2.2	6.0	6.55E-03	6.0	3.28E-3
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		☒	☐	1	Grab	8270C	N/A	0	0	0	0
a. Benzo(a) Anthracene	56553	☒	☐	1	Grab	8270C	5.1	0	0	0	0
b. Benzo(a) Pyrene	50328	☒	☐	1	Grab	8270C	5.1	0	0	0	0
c. Benzo(b)Fluoranthene	205992	☒	☐	1	Grab	8270C	5.1	0	0	0	0
d. Benzo(k)Fluoranthene	207089	☒	☐	1	Grab	8270C	5.1	0	0	0	0
e. Chrysene	21801	☒	☐	1	Grab	8270C	5.1	0	0	0	0
f. Dibenzo(a,h)anthracene	53703	☒	☐	1	Grab	8270C	5.1	0	0	0	0
g. Indeno(1,2,3-cd) Pyrene	193395	☒	☐	1	Grab	8270C	5.1	0	0	0	0
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		☒	☐	1	Grab	8270C	5.1	0	0	0	0

[4] The sum of individual phthalate compounds.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
h. Acenaphthene	83329	☒	☐	1	Grab	8270C	5.1	0	0	0	0
i. Acenaphthylene	208968	☒	☐	1	Grab	8270C	5.1	0	0	0	0
j. Anthracene	120127	☒	☐	1	Grab	8270C	5.1	0	0	0	0
k. Benzo(ghi) Perylene	191242	☒	☐	1	Grab	8270C	5.1	0	0	0	0
l. Fluoranthene	206440	☒	☐	1	Grab	8270C	5.1	0	0	0	0
m. Fluorene	86737	☒	☐	1	Grab	8270C	5.1	0	0	0	0
n. Naphthalene	91203	☒	☐	1	Grab	8270C	5.1	0	0	0	0
o. Phenanthrene	85018	☒	☐	1	Grab	8270C	5.1	0	0	0	0
p. Pyrene	129000	☒	☐	1		8270C	5.1	0	0	0	0
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.	☒	☐	1	Grab	8082	290	0	0	0	0
38. Chloride	16887006	☐	☒	1	Grab	SM21 4500 CL C	200	17,500	1.91E+1	17,500	9.55E+00
39. Antimony	7440360	☒	☐	1	Grab	6010B	6.0	0	0	0	0
40. Arsenic	7440382	☒	☐	1	Grab	6010B	4.0	0	0	0	0
41. Cadmium	7440439	☒	☐	1	Grab	6010B	4.0	0	0	0	0
42. Chromium III (trivalent)	16065831	☒	☐	1	Grab	6010B	10	0	0	0	0
43. Chromium VI (hexavalent)	18540299	☒	☐	1	Grab	7196A	10	0	0	0	0
44. Copper	7440508	☒	☐	1	Grab	6010B	25	0	0	0	0
45. Lead	7439921	☒	☐	1	Grab	6010B	5.0	0	0	0	0
46. Mercury	7439976	☒	☐	1	Grab	SW7470A	0.20	0	0	0	0
47. Nickel	7440020	☒	☐	1	Grab	6010B	40	0	0	0	0
48. Selenium	7782492	☒	☐	1	Grab	6010B	10	0	0	0	0
49. Silver	7440224	☒	☐	1	Grab	6010B	5.0	0	0	0	0
50. Zinc	7440666	☐	☒	1	Grab	6010B	20	54.3	5.93E-02	54.3	2.96E-02
51. Iron	7439896	☒	☐	1	Grab	6010B	100	0	0	0	0
Other (describe):		☐	☐								

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

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

Step 1: 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?
Step 2: 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:

Approx. 100 gpm of groundwater will be pumped into a fractionation tank, bag filters, and two 2,000-pound liquid phase carbon units arranged in series. See attached process flow diagram.

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 100 gpm Maximum flow rate of treatment system 200 gpm
Design flow rate of treatment system 200 gpm

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

No chemical additives will be used.

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:

Treated water will be discharged to a storm drain north of the facility. Storm drain system ultimately discharges to the South River.

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water:
1. For multiple discharges, number the discharges sequentially.
2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water
The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.

d) Provide the state water quality classification of the receiving water Class SA

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 4.47 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)?

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 Station #21324
Operator signature:	
Printed Name &Title:	Patrick D. Corcoran, LSP
Date:	09/16/2011

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:

0.288 MGD * concentration of parameter in mg/L * 8.34 = kg

Example:

bis(2-ethylhexyl)phthalate:
0.288 MGD * 0.006 mg/L * 8.34 = 6.55E-03 kg

7Q10

7Q10: 4.47 cfs

The 7Q10 of the South River at Marshfield, MA was obtained from the USGS Water Quality Annual Statistic for Massachusetts at Gage # 01105730 Indian Head River near Hanover, MA. No information was given for the South River; therefore, the Indian River in Hanover, MA was the closest location to the South River in Plymouth County. The lowest average monthly discharge of 4.47 cfs was taken from the year (1981) with the lowest average yearly discharge between 1966 and 2009.

ATTACHMENT B

New England ACCUTEST LABORATORIES

07/21/11

Technical Report for

EnviroTrac

HESS:#21324 2139 Ocean St., Marshfield MA

21324

Accutest Job Number: MC1969

Sampling Date: 07/18/11

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 Tand
Lab Director

Client Service contact: Kristen Blanchard 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)

Test results relate only to samples analyzed.

Sections: 1 2 3

Table of Contents

-1-

Sample Summary

EnviroTrac

Job No: MC1969

HESS:#21324 2139 Ocean St., Marshfield MA
Project No: 21324

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC1969-1	07/18/11	09:45	RP	07/18/11	AQ	Ground Water	MW-101
MC1969-1A	07/18/11	09:45	RP	07/18/11	AQ	Ground Water	MW-101

Sample Results

Report of Analysis

Accutest LabLink@16:34 21-Jul-2011

Report of Analysis

Client Sample ID:	MW-101		
Lab Sample ID:	MC1969-1	**Date Sampled:**	07/18/11
Matrix:	AQ - Ground Water	**Date Received:**	07/18/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HESS:#21324 2139 Ocean St., Marshfield MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M42267.D	1	07/20/11	TD	n/a	n/a	MSM1341
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

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

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

Report of Analysis

Client Sample ID:	MW-101		
Lab Sample ID:	MC1969-1	**Date Sampled:**	07/18/11
Matrix:	AQ - Ground Water	**Date Received:**	07/18/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HESS:#21324 2139 Ocean St., Marshfield MA		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
994-05-8	tert-Amyl Methyl Ether	ND	2.0	ug/l	
75-65-0	Tert Butyl Alcohol	ND	20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
	m,p-Xylene	ND	1.0	ug/l	
95-47-6	o-Xylene	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

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

Report of Analysis

Client Sample ID:	MW-101		
Lab Sample ID:	MC1969-1	**Date Sampled:**	07/18/11
Matrix:	AQ - Ground Water	**Date Received:**	07/18/11
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	HESS:#21324 2139 Ocean St., Marshfield MA		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	105%		70-130%
460-00-4	4-Bromofluorobenzene	116%		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

Accutest LabLink@16:34 21-Jul-2011

Report of Analysis

Client Sample ID:	MW-101		
Lab Sample ID:	MC1969-1	**Date Sampled:**	07/18/11
Matrix:	AQ - Ground Water	**Date Received:**	07/18/11
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HESS:#21324 2139 Ocean St., Marshfield MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S25624.D	1	07/20/11	KR	07/19/11	OP25581	MSS1092
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN Special List

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
95-48-7	2-Methylphenol	ND	10	ug/l	
	3&4-Methylphenol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	10	ug/l	
108-95-2	Phenol	ND	5.1	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.1	ug/l	
84-66-2	Diethyl phthalate	ND	5.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	6.0	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%		15-110%
4165-62-2	Phenol-d5	37%		15-110%
118-79-6	2,4,6-Tribromophenol	116% [a]		15-110%
4165-60-0	Nitrobenzene-d5	106%		30-130%
321-60-8	2-Fluorobiphenyl	101%		30-130%
1718-51-0	Terphenyl-d14	110%		30-130%

(a) Outside control limits. Associated target analytes are non-detect.

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

Accutest LabLink@16:34 21-Jul-2011

Report of Analysis

Client Sample ID: MW-101
Lab Sample ID: MC1969-1
Matrix: AQ - Ground Water
Project: HESS:#21324 2139 Ocean St., Marshfield MA

Date Sampled: 07/18/11
Date Received: 07/18/11
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Antimony	< 6.0	6.0	ug/l	1	07/19/11	07/19/11	DA	EPA 200.7 [2]	EPA 200.7 [4]
Arsenic	< 4.0	4.0	ug/l	1	07/19/11	07/19/11	DA	EPA 200.7 [2]	EPA 200.7 [4]
Cadmium	< 4.0	4.0	ug/l	1	07/19/11	07/19/11	DA	EPA 200.7 [2]	EPA 200.7 [4]
Chromium	< 10	10	ug/l	1	07/19/11	07/19/11	DA	EPA 200.7 [2]	EPA 200.7 [4]
Copper	< 25	25	ug/l	1	07/19/11	07/19/11	DA	EPA 200.7 [2]	EPA 200.7 [4]
Iron	< 100	100	ug/l	1	07/19/11	07/19/11	DA	EPA 200.7 [2]	EPA 200.7 [4]
Lead	< 5.0	5.0	ug/l	1	07/19/11	07/19/11	DA	EPA 200.7 [2]	EPA 200.7 [4]
Mercury	< 0.20	0.20	ug/l	1	07/19/11	07/19/11	MA	EPA 245.1 [1]	EPA 245.1 [3]
Nickel	< 40	40	ug/l	1	07/19/11	07/19/11	DA	EPA 200.7 [2]	EPA 200.7 [4]
Selenium	< 10	10	ug/l	1	07/19/11	07/19/11	DA	EPA 200.7 [2]	EPA 200.7 [4]
Silver	< 5.0	5.0	ug/l	1	07/19/11	07/19/11	DA	EPA 200.7 [2]	EPA 200.7 [4]
Zinc	54.3	20	ug/l	1	07/19/11	07/19/11	DA	EPA 200.7 [2]	EPA 200.7 [4]

(1) Instrument QC Batch: MA13178
(2) Instrument QC Batch: MA13182
(3) Prep QC Batch: MP17384
(4) Prep QC Batch: MP17387

RL = Reporting Limit

Accutest LabLink@16:34 21-Jul-2011

Report of Analysis

Client Sample ID:	MW-101		
Lab Sample ID:	MC1969-1	**Date Sampled:**	07/18/11
Matrix:	AQ - Ground Water	**Date Received:**	07/18/11
		Percent Solids:	n/a
Project:	HESS:#21324 2139 Ocean St., Marshfield MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chloride	17.5	1.0	mg/l	1	07/18/11	CF	SM21 4500CL C
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	07/18/11 16:31	MC	SW846 7196A
Chromium, Trivalent [a]	< 0.020	0.020	mg/l	1	07/19/11 17:25	DA	6010/7196A M/200.7
Cyanide	< 0.010	0.010	mg/l	1	07/21/11 14:57	MA	EPA 335.4
Solids, Total Suspended	136	4.0	mg/l	1	07/21/11	BF	SM21 2540D
Total Residual Chlorine	0.15	0.050	mg/l	1	07/18/11 16:45	CF	SM21 4500CL F

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

RL = Reporting Limit

Accutest LabLink@16:34 21-Jul-2011

Report of Analysis

Client Sample ID:	MW-101		
Lab Sample ID:	MC1969-1A	**Date Sampled:**	07/18/11
Matrix:	AQ - Ground Water	**Date Received:**	07/18/11
Method:	SW846 8260B BY SIM	**Percent Solids:**	n/a
Project:	HESS:#21324 2139 Ocean St., Marshfield MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R22803.D	1	07/19/11	TD	n/a	n/a	MSR843
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
123-91-1	1,4-Dioxane	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17647-74-4	1,4-Dioxane-d8	101%		60-140%

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:

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

Parameter Certifications

Job Number: MC1969
Account: ENVTRAC EnviroTrac
Project: HESS:#21324 2139 Ocean St., Marshfield MA

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

Parameter	CAS#	Method	Mat	Certification Status
Antimony	7440-36-0	**EPA 200.7**	AQ	Accutest is certified for this parameter.
Arsenic	7440-38-2	**EPA 200.7**	AQ	Accutest is certified for this parameter.
Cadmium	7440-43-9	**EPA 200.7**	AQ	Accutest is certified for this parameter.
Chromium	7440-47-3	**EPA 200.7**	AQ	Accutest is certified for this parameter.
Copper	7440-50-8	**EPA 200.7**	AQ	Accutest is certified for this parameter.
Iron	7439-89-6	**EPA 200.7**	AQ	Accutest is certified for this parameter.
Lead	7439-92-1	**EPA 200.7**	AQ	Accutest is certified for this parameter.
Mercury	7439-97-6	**EPA 245.1**	AQ	Accutest is certified for this parameter.
Nickel	7440-02-0	**EPA 200.7**	AQ	Accutest is certified for this parameter.
Selenium	7782-49-2	**EPA 200.7**	AQ	Accutest is certified for this parameter.
Silver	7440-22-4	**EPA 200.7**	AQ	Accutest is certified for this parameter.
Zinc	7440-66-6	**EPA 200.7**	AQ	Accutest is certified for this parameter.
Chloride	16887-00-6	**SM21 4500CL C**	AQ	Accutest is certified for this parameter.
Cyanide	57-12-5	**EPA 335.4**	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.

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

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

PAGE 1 OF 1

FED-EX Tracking #:
Bottle Order Control #: MC1969
Accutest Quote #:
Accutest Job #:

Client / Reporting Information

Company Name: EnviroTrac Ltd
Street Address: 1merchant St Suite2
City, State, Zip: Sharon MA 02067
Project Contact: Steve Lesperance
E-mail:
Phone #: 7817930074
Fax #:
Sampler(s) Name(s): RP
Phone #:

Project Information

Project Name: Hess #21324
Street: 2139 Ocean St
City: marshfield MA
Project #:
Client PO#:
Project Manager:
Attention:
PO#:

Billing Information (If different from Report to)

Company Name:
Street Address:
City, State, Zip:

Requested Analysis (see TEST CODE sheet)

Accutest Sample #	Field ID / Point of Collection	MeOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	D. Water	MEOH	ENCORE	Bisulfate	TSS	Tert-butyl alcohol (TBA)	Tert-Amyl Methyl Ether (TAME)	Acetone, VOCs by 8260	1,4-Dioxane (SIM)	Cr (III), Cr (VI), Chloride	Total Residual Chlorine (TRC)	Total Metals *	SVOCs (phenols, PCP, phthalates)	CN
-1	MW-101		7/18/11	9:45	RP	GW	11	X		X		X					X	X	X	X	X	X	X	X	X	X

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

LAB USE ONLY: 15A/6F, 16AA/462

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [x] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

RUSH!

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

RCP, must meet GW-1
* Pb, Fe, Ni, Zn, Sb, As, Cd, Cu, Hg, Se, Ag
Bill Mike Matri

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

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		7/18/11 1215	1	2		2
3			3	4		4
5			5			

Custody Seal #: [ ] Intact [ ] Not intact
Preserved where applicable: [ ]
On Ice: [x]
Cooler Temp: 2.3°C

MC1969: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC1969 **Client:** ENVIROTRAC **Immediate Client Services Action Required:** No

Date / Time Received: 7/18/2011 **Delivery Method:** **Client Service Action Required at Login:** No

Project: HESS 21324 **No. Coolers:** 1 **Airbill #'s:** N/A

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:	Infared gun		
3. Cooler media:	Ice (bag)		

Quality Control Preservatio	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

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www/accutest.com

MC1969: Chain of Custody
Page 2 of 2

New England ACCUTEST LABORATORIES

08/05/11

Technical Report for

EnviroTrac

HESS:#21324 2139 Ocean St., Marshfield MA

21324

Accutest Job Number: MC1969R

Sampling Date: 07/18/11

Report to:

EnviroTrac

RachelP@envirotrac.com

ATTN: Rachel Patenaude

Total number of pages in report: **10**

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

Reza Tand
Lab Director

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136,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)

Test results relate only to samples analyzed.

Sections: 1 2 3

Table of Contents

-1-

Sample Summary

EnviroTrac

Job No: MC1969R

HESS:#21324 2139 Ocean St., Marshfield MA
Project No: 21324

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC1969-1R	07/18/11	09:45	RP	07/18/11	AQ	Ground Water	MW-101

Sample Results

Report of Analysis

Accutest LabLink@114912 10:16 05-Aug-2011

Report of Analysis

Client Sample ID:	MW-101		
Lab Sample ID:	MC1969-1R	**Date Sampled:**	07/18/11
Matrix:	AQ - Ground Water	**Date Received:**	07/18/11
Method:	SW846 8270C SW846 3510C	**Percent Solids:**	n/a
Project:	HESS:#21324 2139 Ocean St., Marshfield MA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S25624.D	1	07/20/11	KR	07/19/11	OP25581	MSS1092
Run #2							

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	5.1	ug/l	
208-96-8	Acenaphthylene	ND	5.1	ug/l	
120-12-7	Anthracene	ND	5.1	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.1	ug/l	
218-01-9	Chrysene	ND	5.1	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.1	ug/l	
206-44-0	Fluoranthene	ND	5.1	ug/l	
86-73-7	Fluorene	ND	5.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.1	ug/l	
91-20-3	Naphthalene	ND	5.1	ug/l	
85-01-8	Phenanthrene	ND	5.1	ug/l	
129-00-0	Pyrene	ND	5.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	106%		30-130%
321-60-8	2-Fluorobiphenyl	101%		30-130%
1718-51-0	Terphenyl-d14	110%		30-130%

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

Accutest LabLink@114912 10:16 05-Aug-2011

Report of Analysis

Client Sample ID:	MW-101		
Lab Sample ID:	MC1969-1R	**Date Sampled:**	07/18/11
Matrix:	AQ - Ground Water	**Date Received:**	07/18/11
		Percent Solids:	n/a
Project:	HESS:#21324 2139 Ocean St., Marshfield MA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
HEM Oil And Grease	< 4.1	4.1	mg/l	1	08/03/11	BF	EPA 1664

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

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

Parameter Certifications

Job Number: MC1969R
Account: ENVTRAC EnviroTrac
Project: HESS:#21324 2139 Ocean St., Marshfield MA

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

Parameter	CAS#	Method	Mat	Certification Status
HEM Oil And Grease		**EPA 1664**	AQ	Accutest is certified for this parameter.

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

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

PAGE 1 OF 1

FED-EX Tracking #:
Accutest Quote #:
Bottle Order Control #: MC1969R
Accutest Job #:

Client / Reporting Information

Company Name: EnviroTrac Ltd
Street Address: 3 Merchant St Suite 2
City / State / Zip: Sharon MA 02067
Project Contact / E-mail: Steve Lesperance
Phone # / Fax #: 7817930074
Sampler(s) Name(s) / Phone #: RP

Project Information

Project Name: Hess #21394
Street: 2139 Ocean St
City: Marshfield MA
Project #:
Client PO#:
Project Manager:

Billing Information (If different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention: PO#:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB- Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Preserved: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Bottles	TSS	Tert-butyl alcohol (TBA)	Tert-Amyl Methyl Ether (TAME)	Acetone, VOCs by 8260	1,4-Dioxane (SIM)	Cr(III), Cr(VI), Chloride	Total Residual Chlorine (TRC)	Total metals *	SVOCs (phenols, PCP, phthalates)	CN	LAB USE ONLY
-1	MW-101		7/18/11	9:45	RP	GW	11	X		X	X						X	X	X	X	X	X	X	X	X	X	15A, 6F, 16AA, 4G2

Turnaround Time (Business days)

- [ ] Std. 10 Business Days
- [ ] Std. 5 Business Days (By Contract only)
- [ ] 5 Day *RUSH*
- [x] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

RUSH!

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] CT RCP
- [ ] MA MCP
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary

Comments / Special Instructions

RGP, must meet GW-1
* Pb, Fe, Ni, Zn, Sb, As, Cd, Cu, Hg, Se, Ag
Bill Mike Matri

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

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		7/18/11 1215	1	2		2
3			3	4		4
5			5			

Custody Seal # | [ ] Intact [ ] Not Intact | Preserved where applicable | On Ice: [x] | Cooler Temp: 2, 3 °C

MC1969R: Chain of Custody
Page 1 of 2

Jeremy Vienneau

From: Stephen Lesperance [stephenl@envirotrac.com]
Sent: Monday, August 01, 2011 4:38 PM
To: Jeremy Vienneau
Subject: MC1969 and MC2119 Marshfield and Everett

Jeremy, please run oil and grease and PAH's for the two above mentioned RGP groundwater data sets. I authorize you to preserve the non-preserved samples you have on hand in order to run oil and grease...

Thanks,
Steve

Stephen Lesperance | Project Manager | EnviroTrac Ltd. | 2 Merchant Street Suite 2, Sharon MA 02067
781.793.0074(office) | 81.793.7877(fax) | 508.400.6731(cell) | stephenl@envirotrac.com

Solutions in Action - http://www.envirotrac.com

EnviroTrac
Think before you print

8/1/2011

MC1969R: Chain of Custody
Page 2 of 2

ATTACHMENT C

Town	Taxonomic Group	Scientific Name	Common Name	MESA Status	Federal Status	Most Recent Observation
MARSHFIELD	Bird	Accipiter striatus	Sharp-shinned Hawk	SC		1982
MARSHFIELD	Bird	Bartramia longicauda	Upland Sandpiper	E		1978
MARSHFIELD	Bird	Charadrius melodus	Piping Plover	T	T	2006
MARSHFIELD	Bird	Gallinula chloropus	Common Moorhen	SC		1987
MARSHFIELD	Bird	Ixobrychus exilis	Least Bittern	E		2007
MARSHFIELD	Bird	Sterna dougallii	Roseate Tern	E	E	2008
MARSHFIELD	Bird	Sterna hirundo	Common Tern	SC		2008
MARSHFIELD	Bird	Sternula antillarum	Least Tern	SC		2007
MARSHFIELD	Fish	Notropis bifrenatus	Bridle Shiner	SC		1959
MARSHFIELD	Reptile	Terrapene carolina	Eastern Box Turtle	SC		2009
MARSHFIELD	Vascular Plant	Aristida tuberculosa	Seabeach Needlegrass	T		1987
MARSHFIELD	Vascular Plant	Bidens hyperborea	Estuary Beggar-ticks	E		1998
MARSHFIELD	Vascular Plant	Cardamine longii	Long's Bitter-cress	E		1998
MARSHFIELD	Vascular Plant	Eriocaulon parkeri	Parker's Pipewort	E		1998
MARSHFIELD	Vascular Plant	Linum medium var. texanum	Rigid Flax	T		1898
MARSHFIELD	Vascular Plant	Panicum philadelphicum ssp. philadelphicum	Philadelphia Panic-grass	SC		1944
MARSHFIELD	Vascular Plant	Suaeda calceoliformis	American Sea-blite	SC		1896

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U.S. Department of the Interior

National Register of Historic Places

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TITLE LIST DISPLAY

From: NPS Digital Library
Term(s) Searched: Massachusetts and Marshfield
Records Displayed: 1 to 6 of 6

Go back to: Revise Search

Sort By: **Title** | Relevancy | Modified

Hatch Homestead and Mill Historic District *[Image]*	8%
Marshfield Hills HD *[Image]*	8%
Thomas--Webster Estate *[Image]*	8%
Webster, Daniel, Law Office and Library *[Image]*	8%
Webster, Daniel, Law Office and Library *[Image]*	8%
Winslow, Isaac, House *[Image]*	8%

Prev | 1 | Next

73

Massachusetts Cultural Resource Information System

MACRIS

MACRIS Search Results

Search Criteria: Town(s): Marshfield;

Inv. No.	Property Name	Street	Town	Year
MRS.A	Webster Wilderness - Cherry Hill Area		Marshfield	
MRS.B	Training Green Area		Marshfield	
MRS.C	Ocean Streetscape I		Marshfield	
mrs.d	Cherry Hill - Webster Estate		Marshfield	
MRS.E	Marshfield Fairgrounds		Marshfield	
MRS.F	Rexhame Terrace Area		Marshfield	
MRS.G	Thomas - Webster Estate		Marshfield	
MRS.H	Brant Rock		Marshfield	
MRS.I	Green Harbor		Marshfield	
MRS.J	Seaview		Marshfield	
MRS.K	Marshfield Village		Marshfield	
MRS.L	Marshfield Hills Historic District		Marshfield	
MRS.M	Two Miles - North Marshfield		Marshfield	
MRS.N	Ocean Streetscape II		Marshfield	
MRS.O	Winslow, Isaac House		Marshfield	
MRS.P	Hatch Homestead and Mill Historic District		Marshfield	
MRS.927	Karen Way Lot 3 Site		Marshfield	
MRS.1	Holmes, Thomas House	88 Acorn St	Marshfield	1837
MRS.2	Randall - Seavy House	105 Acorn St	Marshfield	1860
MRS.248	Thomas, Gideon House	125 Acorn St	Marshfield	1820
MRS.3	Simmons - Ventress House	140 Acorn St	Marshfield	1800
MRS.4	Paine House	238 Acorn St	Marshfield	1800
MRS.5	Comfort Station	1-7 Ashburton Ave	Marshfield	1929
MRS.6	Peterson, Edwin Lloyd House	27 Ashburton Ave	Marshfield	1915
MRS.7	Bryant House	29 Ashburton Ave	Marshfield	1915
MRS.8	Cutter, Eliza F. House	49 Ashburton Ave	Marshfield	1901
MRS.9	Rich, George House	64 Ashburton Ave	Marshfield	1915

Inv. No.	Property Name	Street	Town	Year
MRS.10	Lawrence House	106 Ashburton Ave	Marshfield	1900
MRS.11	Atwood House	111 Ashburton Ave	Marshfield	1920
MRS.12		116 Ashburton Ave	Marshfield	1930
MRS.13	Baker, Samuel House	101 Bakers Ln	Marshfield	1838
MRS.14	Stoddard - Day House	25 Bay Ave	Marshfield	1900
MRS.15	Normile - Creed House	152 Bay Ave	Marshfield	1900
MRS.16	Peterson - Dyer House	155 Bay Ave	Marshfield	1890
MRS.17	Hunt, Henry H. House	156 Bay Ave	Marshfield	1890
MRS.18	Albert Inn	13 Beach St	Marshfield	1900
MRS.19	Adams, Peter House	27 Beach St	Marshfield	1900
MRS.253	Damon, Francis K. House	2 Bow St	Marshfield	1930
MRS.20	Damon, Alfred R. House	6 Bow St	Marshfield	1895
MRS.21	Ewell, Zenas T. House	16 Bow St	Marshfield	1790
MRS.22	Lauriat, Edward A. House	24 Bow St	Marshfield	1880
MRS.254	Porter, Nicholas House	41 Bow St	Marshfield	1748
MRS.23	Bryant, Bradley S. House	Bradley St	Marshfield	1900
MRS.900	Fessenden Wireless Station Foundation	Brant Rock	Marshfield	1905
MRS.901	Early Canal Marker	Canal St	Marshfield	1974
MRS.922	Green Harbor Canal	Canal St	Marshfield	1636
MRS.24	Stoddard, Enos M. House	150 Canal St	Marshfield	1900
MRS.25	Winslow School, Old	Careswell St	Marshfield	1857
MRS.902	Historic Winslow House Marker	Careswell St	Marshfield	1915
MRS.26	Estes House	94 Careswell St	Marshfield	1800
MRS.27	Webster House	101 Careswell St	Marshfield	1880
MRS.28	Atwell, George House	154 Careswell St	Marshfield	1871
MRS.32	Smith House	585 Careswell St	Marshfield	1810
MRS.215	Winslow, Isaac House	634 Careswell St	Marshfield	1699
MRS.29	Wade - Ford House	644 Careswell St	Marshfield	1750
MRS.97	Thomas, Marcia House	644 Careswell St	Marshfield	1835
MRS.224	Webster, Daniel Law Office and Library	644 Careswell St	Marshfield	1842
MRS.30	Wright House	645 Careswell St	Marshfield	1850
MRS.31	Thomas, Sarah C. House	810 Careswell St	Marshfield	1890
MRS.233		255 Cornhill Ln	Marshfield	1727
MRS.33	Baker - Ames House	60 Cross St	Marshfield	1687
MRS.925	Littles Bridge	Cushing Hwy	Marshfield	1933
MRS.225	Brant Rock Union Chapel	Dike Rd	Marshfield	1895
MRS.911	Dike Marker, The	Dike Rd	Marshfield	1978
MRS.34		41 Dog Ln	Marshfield	1860

Inv. No.	Property Name	Street	Town	Year
MRS.35	Keene, Charles W. House	40 Elm St	Marshfield	1895
MRS.36		110 Elm St	Marshfield	1820
MRS.37	Hanley, Henry E. House	139 Elm St	Marshfield	1906
MRS.38		142 Elm St	Marshfield	1860
MRS.39	Little House	210 Elm St	Marshfield	1810
MRS.40	Guelpa, John B. House	226 Elm St	Marshfield	1900
MRS.41	Belanger, Victor House	334 Elm St	Marshfield	1900
MRS.803	Centre Marshfield Cemetery	Ferry St	Marshfield	1745
MRS.42	Sprague, Edward House	17 Ferry St	Marshfield	1850
MRS.43	Wright House	167 Ferry St	Marshfield	1730
MRS.44	Donovan, Richard House	220 Ferry St	Marshfield	1880
MRS.45	Keene, Benjamin House	580 Ferry St	Marshfield	1828
MRS.234	Lewis, Bela Jr. House	891 Ferry St	Marshfield	1820
MRS.46	Phillips - Hall, Sam - Emery, George House	1000 Ferry St	Marshfield	1750
MRS.47	Sherman - Sampson House	746 Forest St	Marshfield	1800
MRS.48	Shoe Shop, Old	775 Forest St	Marshfield	1850
MRS.49	Ford House	372 Furnace St	Marshfield	1830
MRS.255	Sumner, Jennie H. House	15 Glen Rd	Marshfield	1927
MRS.256	Campbell, Hugh House	18 Glen Rd	Marshfield	1922
MRS.50		80 Hancock St	Marshfield	1910
MRS.51	Rogers, Luther House and Store	8 Highland St	Marshfield	1823
MRS.52	Joyce House	87 Highland St	Marshfield	1870
MRS.53	Bates, Marshall House	88 Highland St	Marshfield	1841
MRS.54	Damon, Nathaniel House	95 Highland St	Marshfield	1790
MRS.55	Magoun, Charles House	113 Highland St	Marshfield	1880
MRS.56	North Baptist Church	229 Highland St	Marshfield	1833
MRS.235	Missaucatucket	351 Highland St	Marshfield	1824
MRS.57	Rogers, Elisha House	360 Highland St	Marshfield	1808
MRS.58	Waterman - Sprague House	451 Highland St	Marshfield	1800
MRS.59	Rogers, John House	540 Highland St	Marshfield	1680
MRS.60		555 Highland St	Marshfield	1870
MRS.61	Kent, John House	21 Holmes Rd	Marshfield	1709
MRS.62	Spang, Joseph P. Barn	30 Hunt Way	Marshfield	1915
MRS.63	Tolman, Henry W. House	21 Island St	Marshfield	1894
MRS.64	Howland, Lottie House	163 Island St	Marshfield	1898
MRS.926	Julian Street Bridge over South River	Julian St	Marshfield	1942
MRS.65	Hatch, Charles T. House	40 Main St	Marshfield	1870
MRS.66	Marshfield Company Store	52 Main St	Marshfield	1879

Inv. No.	Property Name	Street	Town	Year
MRS.67	Ames, Sarah Rogers House	58 Main St	Marshfield	1823
MRS.68	Harlow, Charles M. House	77 Main St	Marshfield	1870
MRS.69	Williams - Hatch House	78 Main St	Marshfield	1800
MRS.70	Reed, Jesse House #2	95 Main St	Marshfield	1839
MRS.71	Ryder, Grace E. School	135 Main St	Marshfield	1940
MRS.72	Partridge - Chandler House	189 Main St	Marshfield	1800
MRS.73	Williamson - Crossley House	215 Main St	Marshfield	1830
MRS.236	Saint Christine Catholic Church	1295 Main St	Marshfield	1959
MRS.257	Marshfield Hills Catholic Church	1660 Main St	Marshfield	1732
MRS.258		1670 Main St	Marshfield	1930
MRS.74	Green Harbor Store	Marginal St	Marshfield	1901
MRS.903	Green Harbor Village Marker	Marginal St	Marshfield	1984
MRS.75	Grace Chapel Parsonage	47 Marginal St	Marshfield	1850
MRS.76	Marshfield Fire Station	Massasoit St	Marshfield	1912
MRS.904	Tea Rock Hill Marker	Moraine St	Marshfield	1928
MRS.905	Webster, Daniel Marker	Moraine St	Marshfield	1913
MRS.919	Stepping Stone	Moraine St	Marshfield	1657
MRS.923	Tea Rock Hill	Moraine St	Marshfield	
MRS.237	Hewitt, Solomon House	230 Moraine St	Marshfield	1765
MRS.77	Walker House	637 Moraine St	Marshfield	1800
MRS.78	Sprague, Capt. Elisha P. House	770 Moraine St	Marshfield	1870
MRS.79	Stevens - Barstow House	802 Moraine St	Marshfield	1800
MRS.80	Ames, Elijah House	851 Moraine St	Marshfield	1909
MRS.81	Sprague, William L. House	883 Moraine St	Marshfield	1880
MRS.82	Mount Skirgo Pumping Station	Mount Skirgo St	Marshfield	1927
MRS.85	World War II Tower	Ocean St	Marshfield	1942
MRS.907	Ford Mill Marker	Ocean St	Marshfield	1971
MRS.908	Pilgrim Trail Marker	Ocean St	Marshfield	1968
MRS.909	Great Fire Marker, The	Ocean St	Marshfield	1980
MRS.910	Tercentenary Marker	Ocean St	Marshfield	1930
MRS.83	Blackman House	3 Ocean St	Marshfield	1840
MRS.84	Fairview Inn	133 Ocean St	Marshfield	1874
MRS.226	Ventress Memorial Library	139 Ocean St	Marshfield	
MRS.920	Webster The Farmer Of Marshfield Sculpture	139 Ocean St	Marshfield	1986
MRS.229	Bonney, E. L. House	151 Ocean St	Marshfield	1909
MRS.230	Goldthwaite, George H. House	157 Ocean St	Marshfield	1909
MRS.86	Silver Lake House	232 Ocean St	Marshfield	1880
MRS.87	Brant Rock Fish Market	267 Ocean St	Marshfield	1870

Inv. No.	Property Name	Street	Town	Year
MRS.227	Holt House	349 Ocean St	Marshfield	1900
MRS.228	Estes House	355 Ocean St	Marshfield	1900
MRS.88	Peterson, Oscar House	365 Ocean St	Marshfield	1902
MRS.89	Rich, George N. House	369 Ocean St	Marshfield	1900
MRS.90	Draper, E. S. House	385 Ocean St	Marshfield	1900
MRS.91	Daniels, Charles B. House	399 Ocean St	Marshfield	1890
MRS.92	Cooledge, H. House	405 Ocean St	Marshfield	1900
MRS.93	Lawrence, Charles House	411 Ocean St	Marshfield	1890
MRS.906	Hewitt's Point Marker	450 Ocean St	Marshfield	1985
MRS.94	Bourne, Thomas House	1308 Ocean St	Marshfield	1637
MRS.95	Loring - Page House	1500 Ocean St	Marshfield	1800
MRS.96	Williamson House	1691 Ocean St	Marshfield	1750
MRS.98	First Congregational Church	1994 Ocean St	Marshfield	1838
MRS.99	Williamson, Timothy Tavern - Bourne, Proctor Store	2000 Ocean St	Marshfield	1673
MRS.100	Alden, Rev. Ebenezer Jr. House	2021 Ocean St	Marshfield	1870
MRS.101	Peterson, Zephniah House	2025 Ocean St	Marshfield	1874
MRS.102	Baker, Joseph House	2076 Ocean St	Marshfield	1850
MRS.103	Peck, Rev. Charles H. House	2183 Ocean St	Marshfield	1870
MRS.104	Ford House	91 Old Colony Ln	Marshfield	1650
MRS.239	Old Unitarian Church	Old Main St	Marshfield	1738
MRS.801	Marshfield Hills Cemetery	44 Old Main St	Marshfield	1729
MRS.921	Marshfield Civil War Monument	44 Old Main St	Marshfield	1875
MRS.107	Ford, Calvin House	51 Old Main St	Marshfield	1850
MRS.108	Ford, Ezra House	59 Old Main St	Marshfield	1850
MRS.259		69 Old Main St	Marshfield	1945
MRS.106	Second Trinitarian Church	72 Old Main St	Marshfield	1837
MRS.105	Rodgers, Clift Library	83 Old Main St	Marshfield	1897
MRS.260	Marshfield First Church of Christ Scientists	84 Old Main St	Marshfield	1929
MRS.261	Parker House	91 Old Main St	Marshfield	1948
MRS.262	Rogers, Avery House	109 Old Main St	Marshfield	1860
MRS.263	Rogers, Luther Outbuilding	135 Old Main St	Marshfield	1834
MRS.109	Tilden, Henry House	142 Old Main St	Marshfield	1857
MRS.110	Hall, T. House	149 Old Main St	Marshfield	1850
MRS.112	Simmons, Benjamin Jr. House	150 Old Main St	Marshfield	1799
MRS.111	Marshfield Hook and Ladder Company #2	157 Old Main St	Marshfield	1885
MRS.113	Grand Army of the Republic Hall	157 Old Main St	Marshfield	1745
MRS.114	Rogers - Swift House	164 Old Main St	Marshfield	1890

Inv. No.	Property Name	Street	Town	Year
MRS.115	Wales, Rogers House	171 Old Main St	Marshfield	1810
MRS.116	Rogers, James L. House	172 Old Main St	Marshfield	1830
MRS.117	Rogers, Charles House	179 Old Main St	Marshfield	1850
MRS.118	Ewell Blacksmith Shop - Bo's Store	185 Old Main St	Marshfield	1903
MRS.119	Damon, Frederick N. First House	189 Old Main St	Marshfield	1860
MRS.120	Rogers, Thomas House	197 Old Main St	Marshfield	1750
MRS.121	Hall, Benjamin B. House	204 Old Main St	Marshfield	1836
MRS.264	Cunning, Michael House	215 Old Main St	Marshfield	1921
MRS.122	Hall, Harvey House	222 Old Main St	Marshfield	1826
MRS.265	North School	229 Old Main St	Marshfield	1838
MRS.266		243 Old Main St	Marshfield	1954
MRS.123	Decro House	250 Old Main St	Marshfield	1800
MRS.267		275 Old Main St	Marshfield	1915
MRS.124	Moir, David House	288 Old Main St	Marshfield	1917
MRS.125	Holmes, William House	293 Old Main St	Marshfield	1830
MRS.268		309 Old Main St	Marshfield	1950
MRS.269		312 Old Main St	Marshfield	1885
MRS.126	Jordan, Simeon House	337 Old Main St	Marshfield	1824
MRS.127	Ford, James Homestead	100 Old Mount Skirgo St	Marshfield	1715
MRS.128	Baker, B. House	134 Old Ocean St	Marshfield	1830
MRS.129	Whiting, Nathaniel H. House	143 Old Ocean St	Marshfield	1800
MRS.130	Sprague - Cameron House	157 Old Ocean St	Marshfield	1820
MRS.131	Howland House	229 Old Ocean St	Marshfield	1777
MRS.132	Stevens, Oscar House	17 Old Plain St	Marshfield	1865
MRS.133	Sprague, Seth F. House	45 Old Plain St	Marshfield	1750
MRS.134	Taylor, Horace House	54 Old Plain St	Marshfield	1858
MRS.135	Packard House	66 Old Plain St	Marshfield	1790
MRS.136	Dingley, John House	275 Parsonage St	Marshfield	1750
MRS.137	Carver House	290 Parsonage St	Marshfield	1765
MRS.138	Thomas - Sampson House	449 Parsonage St	Marshfield	1740
MRS.139	Thomas, Anthony House	497 Parsonage St	Marshfield	1730
MRS.140	White, Peregrine Homestead	Peregrine White Dr	Marshfield	1860
MRS.141	White, Paul House	36 Pilgrim Rd	Marshfield	1737
MRS.142	Sampson - Magoun House	152 Plain St	Marshfield	1761
MRS.143	Packard - Sprague House	165 Plain St	Marshfield	1810
MRS.240	Marshfield United Methodist Church	185-200 Plain St	Marshfield	1969
MRS.144	Magoun, Celia Chapel	974 Plain St	Marshfield	1883
MRS.270	Powell, William J. House	505 Pleasant St	Marshfield	1882

Inv. No.	Property Name	Street	Town	Year
MRS.146	Rogers, Wales House	506 Pleasant St	Marshfield	1850
MRS.272	Shurtleff House	515 Pleasant St	Marshfield	1949
MRS.147	Marshfield Second Trinitarian Church Parsonage	520 Pleasant St	Marshfield	1841
MRS.273	Shurtleff, Flavel House	521 Pleasant St	Marshfield	1948
MRS.148	Hatch, Ezra House	534 Pleasant St	Marshfield	1837
MRS.149	Tilden, Charles L. House	535 Pleasant St	Marshfield	1858
MRS.145	Tilden, Charles L. Store	540 Pleasant St	Marshfield	1890
MRS.150	Ford, Levi House	543 Pleasant St	Marshfield	1795
MRS.151	Marshfield Second Congregational Church Parsonage	546 Pleasant St	Marshfield	1850
MRS.152	Carver House	553 Pleasant St	Marshfield	1800
MRS.153	Damon, John House	556 Pleasant St	Marshfield	1825
MRS.154	Rodgers, Clift House	563 Pleasant St	Marshfield	1860
MRS.155	Damon, Calvin House	570 Pleasant St	Marshfield	1825
MRS.156	Tilden, Joshua House	29 Prospect St	Marshfield	1740
MRS.274		30 Prospect St	Marshfield	1925
MRS.275		36 Prospect St	Marshfield	1910
MRS.276		44 Prospect St	Marshfield	1940
MRS.277		49 Prospect St	Marshfield	1950
MRS.278		62 Prospect St	Marshfield	1910
MRS.157	Rose, Edward E. House	67 Prospect St	Marshfield	1890
MRS.158	Hall, Winthrop T. House	76 Prospect St	Marshfield	1890
MRS.279	Rose, Edward E. Barn	77 Prospect St	Marshfield	1890
MRS.280		85 Prospect St	Marshfield	1890
MRS.159	Damon, Charles F. House	86 Prospect St	Marshfield	1880
MRS.281		90 Prospect St	Marshfield	1905
MRS.282	Damon House	93 Prospect St	Marshfield	1896
MRS.283	Leonard, George E. House	96 Prospect St	Marshfield	1860
MRS.160	Randall, George S. House	103 Prospect St	Marshfield	1892
MRS.161	Leonard, Rev. Elijah House	110 Prospect St	Marshfield	1803
MRS.162	Leonard, Otis House	119 Prospect St	Marshfield	1870
MRS.284		122 Prospect St	Marshfield	1970
MRS.163	Ewell, Judson House	126 Prospect St	Marshfield	1870
MRS.164	Ford, Nathan House	130 Prospect St	Marshfield	1850
MRS.285		134 Prospect St	Marshfield	1999
MRS.165	Rogers, Marcellus W. House	140 Prospect St	Marshfield	1865
MRS.166	Smets, Donald M. House	153 Prospect St	Marshfield	1950
MRS.167	Damon, William F. House	154 Prospect St	Marshfield	1854

Inv. No.	Property Name	Street	Town	Year
MRS.168	Hall and Weatherbee Stable	161 Prospect St	Marshfield	1853
MRS.169	Hall and Weatherbee Store	165 Prospect St	Marshfield	1853
MRS.170	Hall, Danforth House	170 Prospect St	Marshfield	1822
MRS.286		173 Prospect St	Marshfield	1950
MRS.171	Stetson - Field House	143 Pudding Hill Ln	Marshfield	1840
MRS.249	Rogers, Isaiah House	2205 Route 3A	Marshfield	1720
MRS.804	Plainville Cemetery	School St	Marshfield	1796
MRS.912	Standish Marker	School St	Marshfield	1971
MRS.172	Ventress Building	76 South River St	Marshfield	1895
MRS.173	Howland, Arthur House	127 South River St	Marshfield	1666
MRS.174	Thomas - Sherman House	380 South River St	Marshfield	1728
MRS.175	Lewis, Howard C. House	1015 South River St	Marshfield	1910
MRS.177	Lewis, Albert House	1055 South River St	Marshfield	1860
MRS.176	Williamson, S. House	1065 South River St	Marshfield	1840
MRS.178	Hunt, Dr. Harold House	1230 South River St	Marshfield	1901
MRS.179	Phillips, Nathaniel House	1299 South River St	Marshfield	1740
MRS.180	Clift, William House	180 Spring St	Marshfield	1820
MRS.181	Damon, Nathaniel J. House	416 Spring St	Marshfield	1857
MRS.182	Rogers, Timothy House	563 Spring St	Marshfield	1720
MRS.183	Ewell, Wilbur N. House	5 Station St	Marshfield	1890
MRS.184	Tilden - Crane House	23 Station St	Marshfield	1855
MRS.185	Stevens House	35 Station St	Marshfield	1800
MRS.802	Little Cemetery	Summer St	Marshfield	1743
MRS.186	Keene - Hatch House	27 Summer St	Marshfield	1675
MRS.187	Little, Thomas House	58 Summer St	Marshfield	1750
MRS.188	Little, Jedediah House	119 Summer St	Marshfield	1800
MRS.189	Stevens, Peleg House	189 Summer St	Marshfield	1901
MRS.190	Stevens - Langille House	207 Summer St	Marshfield	1890
MRS.242	Ames, Tilden House	316 Summer St	Marshfield	1827
MRS.191	Rogers, Isaiah House	392 Summer St	Marshfield	1838
MRS.192	Trouant - Damon, H. House	530 Summer St	Marshfield	1765
MRS.193	Upham - Andrews House	599 Summer St	Marshfield	1880
MRS.194	Macomber House	672 Summer St	Marshfield	1800
MRS.195	Phillips, Nathaniel House	758 Summer St	Marshfield	1818
MRS.243	Eames, Jonathan House	882 Summer St	Marshfield	1765
MRS.196	Cudworth, Israel House	948 Summer St	Marshfield	1826
MRS.197	Rogers House	1000 Summer St	Marshfield	1800
MRS.198	Stoddard, Enos House	1051 Summer St	Marshfield	1885

Inv. No.	Property Name	Street	Town	Year
MRS.199	Maher, Gerard J. House	64 Tower Ave	Marshfield	1952
MRS.200	Hatch Mill	Union St	Marshfield	1812
MRS.805	Two Mile Cemetery	Union St	Marshfield	1801
MRS.924	Union Bridge	Union St	Marshfield	1960
MRS.806	Magoun Cemetery	80 Union St	Marshfield	1840
MRS.201	Hatch, Jonathan House	352 Union St	Marshfield	1733
MRS.202	Hatch - Church House	361 Union St	Marshfield	1765
MRS.203	Hatch, Walter Homestead	385 Union St	Marshfield	1720
MRS.204	Hatch, James House	410 Union St	Marshfield	1790
MRS.205	Hatch, Joel Jr. House	431 Union St	Marshfield	1819
MRS.231	Lapman, Jesse - Hatch, Walter House	465 Union St	Marshfield	1765
MRS.206	Hatch, Joseph House	687 Union St	Marshfield	1765
MRS.207	Oakman, Hiram House	785 Union St	Marshfield	1827
MRS.208	Sylvester, Lot House	845 Union St	Marshfield	1760
MRS.209	Sherman, Leander House	915 Union St	Marshfield	1854
MRS.210	Tilden, Horatio Nelson House	945 Union St	Marshfield	1836
MRS.211	Tilden, J. House	1309 Union St	Marshfield	1750
MRS.245	Bisbee, Elisha House	1332 Union St	Marshfield	1688
MRS.212	Tilden, Hatch House	1354 Union St	Marshfield	1800
MRS.213		14 Webster Ave	Marshfield	1905
MRS.214		50 Webster Ave	Marshfield	1920
MRS.246	Phillips, Adelaide House	Webster St	Marshfield	1830
MRS.913	Thomas - Webster Marker	Webster St	Marshfield	1976
MRS.914	Cherry Hill Marker	Webster St	Marshfield	1977
MRS.915	Webster, Daniel Home Marker	Webster St	Marshfield	1914
MRS.916	Old School Marker	Webster St	Marshfield	1891
MRS.928	Cherry Hill	Webster St	Marshfield	1852
MRS.216	Wright - Sinnott House	88 Webster St	Marshfield	1843
MRS.222	Webster, Daniel Homestead and Barn	238 Webster St	Marshfield	1880
MRS.223	Webster, Daniel Barn	238 Webster St	Marshfield	1879
MRS.250	Thomas - Webster Estate Garage	238 Webster St	Marshfield	1900
MRS.251	Thomas - Webster Estate Laundry Building	238 Webster St	Marshfield	1800
MRS.252	Thomas - Webster Estate Pool Shed	238 Webster St	Marshfield	1964
MRS.929	Thomas - Webster Estate Entrance Drive	238 Webster St	Marshfield	1637
MRS.930	Thomas - Webster Estate Stone Stock Enclosure	238 Webster St	Marshfield	1830
MRS.931	Thomas - Webster Estate - Farm Drives	238 Webster St	Marshfield	1840
MRS.932	Thomas - Webster Estate - Webster Pond	238 Webster St	Marshfield	1840
MRS.933	Thomas - Webster Estate - Duck Pond	238 Webster St	Marshfield	1840

Inv. No.	Property Name	Street	Town	Year
MRS.934	Thomas - Webster Estate Flower - Vegetable Garden	238 Webster St	Marshfield	1840
MRS.935	Thomas - Webster Estate - Great Linden	238 Webster St	Marshfield	1840
MRS.936	Thomas - Webster Estate - South Knoll	238 Webster St	Marshfield	
MRS.937	Thomas - Webster Estate Privy	238 Webster St	Marshfield	
MRS.938	Thomas - Webster Estate Causeway	238 Webster St	Marshfield	1840
MRS.939	Thomas - Webster Estate Lawn	238 Webster St	Marshfield	1840
MRS.940	Thomas - Webster Estate Target Range	238 Webster St	Marshfield	1965
MRS.941	Thomas - Webster Estate Pool	238 Webster St	Marshfield	1964
MRS.942	Thomas - Webster Estate Archery Shed	238 Webster St	Marshfield	1965
MRS.943	Thomas - Webster Estate Paved Play Area	238 Webster St	Marshfield	1965
MRS.944	Thomas - Webster Estate Miniature Golf Course	238 Webster St	Marshfield	1965
MRS.945	Thomas - Webster Estate Baseball Diamond	238 Webster St	Marshfield	1965
MRS.217	Peterson - Baker House	555 Webster St	Marshfield	1800
MRS.247	Thomas, Luther House	727 Webster St	Marshfield	1868
MRS.218	Williamson House	65 Willow St	Marshfield	1775
MRS.800	Winslow Cemetery	Winslow Cemetery Rd	Marshfield	1640
MRS.917	Webster, Daniel Plaque	Winslow Cemetery Rd	Marshfield	1952
MRS.918	First Meeting House Marker	Winslow Cemetery Rd	Marshfield	1968
MRS.219	Bent, James H. House	260 Winslow Cemetery Rd	Marshfield	1890
MRS.220	Winslow, Kenelm House	123 Winslow St	Marshfield	1765