



PHELPS ENGINEERING, INC.

79 Court Street, P.O. Box 367
Middlebury, VT 05753
www.phelpseng.com



201437

December 8, 2014

Mr. Randy Bean
Agency of Natural Resources
Wastewater Management Division
One National Life Drive
Main Building, Second Floor
Montpelier, VT 05620-3520

Subject: Notice of Intent for Discharges from Petroleum Related Remediation Activities
Subject to General Permit No. 3-9004
Gevry Mobile Home Park – Waltham, Vermont

Dear Randy:

Enclosed is an original signed Notice of Intent for discharges from petroleum related remediation activities at the Gevry Mobile Home Park, off Maple Street in Waltham, Vermont. In addition, the following items are attached to support this request for an authorization to discharge:

- Laboratory analysis for water samples collected;
- Treatment system plan;
- Design flow calculations;
- Project location map;
- Statement designating attorney as an authorized representative; and
- Application fee of \$120.00.

A copy of this Notice of Intent and was submitted to the municipal clerk in Waltham, Vermont for public posting on December 8, 2014. If you have any questions or concerns, please contact us.

Sincerely,

Robert M. Clark, P.E.
Senior Project Engineer

RC:hp

Enclosures

c: Lynda Provencher
David Venman (electronic only)



Verterre Group
414 Roosevelt Highway 100647
Colchester, VT 05446

Atten: Martha Roy

PROJECT: Gevry
WORK ORDER: 1410-20795
DATE RECEIVED: October 06, 2014
DATE REPORTED: October 10, 2014
SAMPLER: RL

Laboratory Report

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. All required method quality control elements including instrument calibration were performed in accordance with method requirements and determined to be acceptable unless otherwise noted.

The column labeled Lab/Tech in the accompanying report denotes the laboratory facility where the testing was performed and the technician who conducted the assay. A "W" designates the Williston, VT lab under NELAC certification ELAP 11263; "R" designates the Lebanon, NH facility under certification NH 2037 and "N" the Plattsburgh, NY lab under certification ELAP 11892. "Sub" indicates the testing was performed by a subcontracted laboratory. The accreditation status of the subcontracted lab is referenced in the corresponding NELAC and Qual fields.

The NELAC column also denotes the accreditation status of each laboratory for each reported parameter. "A" indicates the referenced laboratory is NELAC accredited for the parameter reported. "N" indicates the laboratory is not accredited. "U" indicates that NELAC does not offer accreditation for that parameter in that specific matrix. Test results denoted with an "A" meet all National Environmental Laboratory Accreditation Program requirements except where denoted by pertinent data qualifiers. Test results are representative of the samples as they were received at the laboratory

Endyne, Inc. warrants, to the best of its knowledge and belief, the accuracy of the analytical test results contained in this report, but makes no other warranty, expressed or implied, especially no warranties of merchantability or fitness for a particular purpose.

Reviewed by:

Harry B. Locker, Ph.D.
Laboratory Director

www.endynelabs.com



160 James Brown Dr., Williston, VT 05495
Ph 802-879-4333 Fax 802-879-7103

56 Etna Road, Lebanon, NH 03766
Ph 603-678-4891 Fax 603-678-4893



Laboratory Report

DATE REPORTED: 10/10/2014

CLIENT: Verterre Group
PROJECT: GevryWORK ORDER: 1410-20795
DATE RECEIVED 10/06/2014

001 Site: T #8 Date Sampled: 10/6/14 Time: 14:43

Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
Volatile Organic Compounds							
Dichlorodifluoromethane	< 25.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Chloromethane	< 15.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
Vinyl chloride	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Bromomethane	< 25.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Chloroethane	< 25.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Trichlorofluoromethane	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Diethyl ether	< 25.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
1,1-Dichloroethene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Acetone	< 50.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Carbon disulfide	< 25.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Methylene chloride	< 25.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
t-Butanol	< 100	ug/L	EPA 8260C	10/9/14	W SJM	N	
Methyl-t-butyl ether (MTBE)	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
trans-1,2-Dichloroethene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Di-isopropyl ether (DIPE)	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
1,1-Dichloroethane	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Ethyl-t-butyl ether (ETBE)	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
2-Butanone	< 50.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
2,2-Dichloropropane	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
cis-1,2-Dichloroethene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
Bromochloromethane	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
Chloroform	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Tetrahydrofuran	< 50.0	ug/L	EPA 8260C	10/9/14	W SJM	U	
1,1,1-Trichloroethane	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Carbon tetrachloride	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,1-Dichloropropene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
Benzene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
t-Amylmethyl ether (TAME)	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
1,2-Dichloroethane	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Trichloroethene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,2-Dichloropropane	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Dibromomethane	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
Bromodichloromethane	< 2.5	ug/L	EPA 8260C	10/9/14	W SJM	A	
cis-1,3-Dichloropropene	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
4-Methyl-2-pentanone (MIBK)	< 50.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
Toluene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
trans-1,3-Dichloropropene	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,1,2-Trichloroethane	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Tetrachloroethene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,3-Dichloropropane	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
2-Hexanone	< 50.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
Dibromochloromethane	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,2-Dibromoethane	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Chlorobenzene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Ethylbenzene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	

Laboratory Report

DATE REPORTED: 10/10/2014

CLIENT: Verterre Group
PROJECT: GevryWORK ORDER: 1410-20795
DATE RECEIVED 10/06/2014

001	Site: T #8			Date Sampled: 10/6/14	Time: 14:43		
Parameter	Result	Units	Method	Analysis Date/Time	Lab/Tech	NELAC	Qual.
1,1,1,2-Tetrachloroethane	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Xylenes, Total	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Styrene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
Bromoform	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Isopropylbenzene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,1,2,2-Tetrachloroethane	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
Bromobenzene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
n-Propylbenzene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,2,3-Trichloropropane	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
2-Chlorotoluene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
1,3,5-Trimethylbenzene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
4-Chlorotoluene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
t-Butylbenzene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,2,4-Trimethylbenzene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
s-Butylbenzene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
4-Isopropyltoluene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,3-Dichlorobenzene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,4-Dichlorobenzene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
n-Butylbenzene	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,2-Dichlorobenzene	< 5.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,2,4-Trichlorobenzene	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,3,5-Trichlorobenzene	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
Hexachlorobutadiene	< 2.5	ug/L	EPA 8260C	10/9/14	W SJM	N	
Naphthalene	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	A	
1,2,3-Trichlorobenzene	< 10.0	ug/L	EPA 8260C	10/9/14	W SJM	N	
Surr. 1 (Dibromofluoromethane)	110	%	EPA 8260C	10/9/14	W SJM	N	
Surr. 2 (Toluene d8)	97	%	EPA 8260C	10/9/14	W SJM	N	
Surr. 3 (4-Bromofluorobenzene)	95	%	EPA 8260C	10/9/14	W SJM	N	
Unidentified Peaks	> 10		EPA 8260C	10/9/14	W SJM	U	
TPH DRO Package							
Extraction Mod. EPA 3510C	Completed		EPA 3510C mod.	10/8/14	W MDP	U	
C7-C10 TPH	< 0.40	mg/L	EPA 8015D	10/8/14	W MDP	U	
C10-C28 TPH-DRO	9.48	mg/L	EPA 8015D	10/8/14	W MDP	N	
C28-C40 TPH	< 0.40	mg/L	EPA 8015D	10/8/14	W MDP	U	
Tot. Petroleum Hydrocarbons	9.48	mg/L	EPA 8015D	10/8/14	W MDP	U	
Hydrocarbon Window	C10-C26		EPA 8015D	10/8/14	W MDP	U	

Report Summary of Qualifiers and Notes

DRO values are based on the response and calibration of Diesel/#2 Fuel Oil.

Trailer Basement

Submersible Pump

55 gal. Liquid-Phase Carbon Canisters

Meter

Discharge to Swale

The Verterre Group
Environmental Scientists and Field Services

Fs1:project/14032/Phelps/Treatment system.dwg

Project #14032	DRAWN BY: <i>DID</i>
	CHECKED BY: <i>MER</i>
	APPROVED BY: <i>SC</i>
	DATE: 11/06/14
	SCALE: Not to Scale

The Verterre Group
414 Roosevelt Highway - Suite 200
Colchester, Vermont 05446
(802) 654-8663

FIGURE 3
TREATMENT SYSTEM PLAN
Gevry Mobil Home Park
0 Maple Street
Waltham, Vermont

Geury Mobile Home Park

CONTAMINATED WATER: UNIT No. 8 BASEMENT

① DIMENSIONS OF PROPERTY BUILDING

Length = 55' (Exterior)
Width = 15' (Exterior)
Water Depth = 1' (Estimate)

$$\text{Volume (ft}^3\text{)} = 825$$

$$\star \text{ Volume (gal)} = 6,443 \text{ gallons} \star$$

② Add Volume For Inflow / Variations in depth / etc.

$$\text{Volume (gal)} = 6,443$$

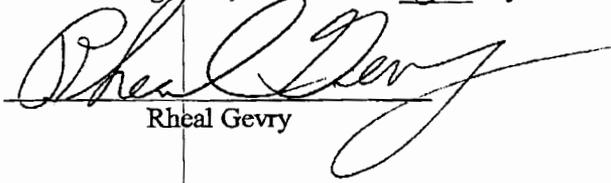
Add 40% (conservative)

$$\text{Volume (gal)} = 9,020 \text{ gallons}$$

**STATEMENT
Of
REPRESENTATION**

We, Rheal & Gail Gevry, the undersigned, hereby attest and acknowledge that with respect to our property known as the Gevry Trailer Park, located on Maple Street, in the Town of Waltham, County of Addison, and State of Vermont, we are represented by attorney David C. Venman, Esq., and who has the authority to sign all but documents of title in this regard.

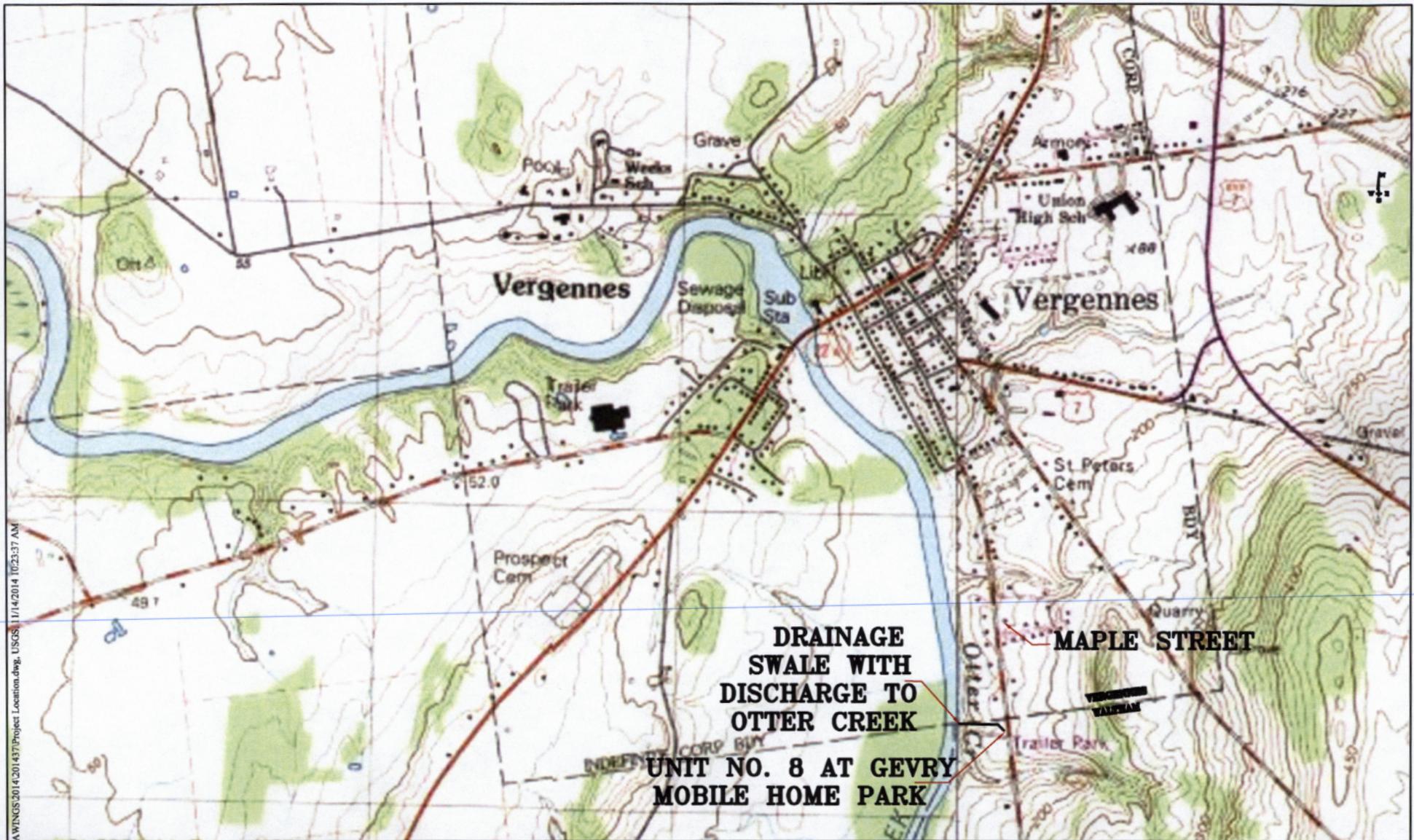
Dated at Vergennes, Vermont this 2nd day of December, 2014.



Rheal Gevry



Gail Gevry



DRAINAGE SWALE WITH DISCHARGE TO OTTER CREEK

UNIT NO. 8 AT GEVRY MOBILE HOME PARK

MAPLE STREET

DATE: 11/14/2014 10:23:37 AM
 PROJECT: VERGENNES, VT
 DRAWING: 2014377-Project Location.dwg, USGS

- 1. THE ENGINEER HAS REVIEWED THE SITE PLAN AND FOUND IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCES OF THE TOWN OF VERGENNES, VERMONT.
- 2. THE ENGINEER HAS REVIEWED THE SITE PLAN AND FOUND IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCES OF THE TOWN OF VERGENNES, VERMONT.
- 3. THE ENGINEER HAS REVIEWED THE SITE PLAN AND FOUND IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCES OF THE TOWN OF VERGENNES, VERMONT.
- 4. THE ENGINEER HAS REVIEWED THE SITE PLAN AND FOUND IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCES OF THE TOWN OF VERGENNES, VERMONT.
- 5. THE ENGINEER HAS REVIEWED THE SITE PLAN AND FOUND IT TO BE IN ACCORDANCE WITH THE ZONING ORDINANCES OF THE TOWN OF VERGENNES, VERMONT.



PHELPS ENGINEERING, INC.
 79 Court St., P.O. Box 907
 Middlebury, VT. 05758
 Telephone (802) 250-7880

GEVRY MOBILE HOME PARK
MAPLE STREET
VERGENNES, VERMONT

PROJECT LOCATION