



**PUBLIC NOTICE**

**NOTICE OF INTENT FOR DISCHARGES FROM PETROLEUM RELATED  
REMEDIAION ACTIVITIES TO PUBLICLY OWNED TREATMENT WORKS (POTW)  
SUBJECT TO GENERAL PERMIT NO. 3-9016**

Instructions are now separate from this form	
<b>For DEC Use:</b>	
Notice of Intent Number: <u>3-4224</u>	Paid By: <u>Environmental Strategy + Eng</u>
Check #: <u>75365</u> Amount: \$ <u>240-</u>	
<b>A. Applicant Information</b>	
1. Legal Entity: <input checked="" type="checkbox"/> Private <input type="checkbox"/> State <input type="checkbox"/> Municipal <input type="checkbox"/> Other (describe):	
2. Applicant Name: <u>Irving Oil Marketing</u>	
3. Applicant Address: <u>190 Commerce Way, Portsmouth, New Hampshire 03801</u>	
4. Phone: <u>603-498-0887</u>	5. Email address: <u>Jeff.McCullough@irvingoil.com</u>
<b>B. Facility Information</b>	
1. Facility Name: <u>Barton Irving (#72606)</u>	2. DEC Site No. & Staff Contact (if applicable): <u>97-2167, John Schmeltzer</u>
3. Location of Facility (street and town): <u>452 Main Street, Barton, Vermont</u>	
4. Municipal Consent (please attach letter from POTW representative accepting this discharge): <input checked="" type="checkbox"/> Attached	
5. Mapping (include USGS map and indicate site location): <input checked="" type="checkbox"/> Attached	
<b>C. Contamination</b>	
1. Type of contamination: <u>Potential for unleaded gasoline or diesel contamination. However, a SMAC letter was issued for site on January 3, 2007 (see attached).</u>	
2. Source of contamination: <u>Three gasoline and one diesel underground storage tanks (USTs) present on-site. Four additional gasoline USTs were removed in 1987.</u>	
3. Description of contamination: <u>Groundwater will likely be encountered during the UST upgrades and require dewatering during installation of new USTs.</u>	
<b>D. Treatment</b>	
1. Description of Remediation Treatment System: <u>A submersible pump will be used to pump groundwater from the excavation into a 20,000-gallon frac tank to facilitate removal of gross sediment and suspended solids. The contents of the frac tank will then be processed through a dual bag sediment filter and either one or two granular activated carbon vessels (either 1,000 or 2,000-pound) prior to discharge into the Town of Barton's municipal sanitary sewer system.</u>	
2. Maximum daily design flow (gpd): <b>(attach site schematics site features, extent of contamination and detailed design of treatment system)</b> <small>The maximum capacity of the treatment system will be designed for treatment and discharge of 10,000-gallons per day. A site plan and schematic of the treatment system are attached to this submittal.</small>	
3. Anticipated start date of discharge: <u>September 12, 2016</u>	
4. Anticipated duration of discharge: <u>1 month</u>	
5. Discharge point(s) and name of receiving POTW: <small>Sewer manhole located approximately 125 southeast of the site at the intersection of Main Street and Porter Lane. Sewer manhole is connected to Town of Barton's municipal sanitary sewer system.</small>	
6. Describe conveyance to POTW: <u>Treated groundwater will be piped from the treatment system to the sewer manhole, at the intersection of Main Street and Porter Lane, using flexible hosing with cam lock couplings. During active discharging, the manhole location will be secured with traffic cones/applicable signage. Traffic entering Porter Lane will be slightly detoured through the parking area of the former Barton Motors facility.</u>	

<b>E. Fees</b>	
1. Application fee: <input checked="" type="checkbox"/> \$240.00 enclosed	2. Date of application: 8/25/2016
<b>F. Applicant Certification (must check box)</b>	
<p><b>APPLICANT CERTIFICATION:</b> I hereby certify that I am responsible for the discharges from petroleum related remediation activities. I also certify that I have read General Permit 3-9016 and agree to abide by its terms. I also certify that concurrent with the submittal of this Public Notice/Notice of Intent to the Department of Environmental Conservation, I have submitted a copy of this Public Notice/Notice of Intent to the municipal clerk in the municipality where the discharge occurs. Consultants, contractors, and attorneys cannot sign the Notice of Intent (NOI) form on behalf of an owner/operator unless legally delegated.</p>	
Signatures:	
<u>JEFF McCULLOUGH, Jr.</u> Print or type name	<u>FACILITIES PROJECT MANAGER</u> Title
<u>[Signature]</u> Signature of applicant	<u>8/25/2016</u> Date
<b>PUBLIC COMMENT</b>	
<p>Public comments concerning this Notice of Intent to discharge under General Permit No. 3-9016 are invited and must be submitted within 10 days of receipt of this Notice by the municipal clerk. Comments should address how the application complies with the terms and conditions of General Permit No. 3-9016. All written comments received within the time frame described above will be considered by the Department of Environmental Conservation in its final ruling to grant or deny authorization to discharge under General Permit No. 3-9016. Any person may, within thirty (30) days of the final ruling by the Department of Environmental Conservation to grant or deny authorization to discharge, appeal the ruling pursuant to 10 V.S.A. Section 1269.</p>	
<p>Send written comments to:</p> <p style="text-align: center;">VT Department of Environmental Conservation Watershed Management Division One National Life Drive, Main Building, 2nd Floor Montpelier VT 05620-3522</p>	
<p>A copy of General Permit No. 3-9016 may be viewed and downloaded from the Watershed Management Division's website: <a href="http://dec.vermont.gov/watershed/wastewater">http://dec.vermont.gov/watershed/wastewater</a>, obtained by calling (802)490-6106, or examined at the above address 7:45 am and 4:30 pm. M-F</p>	
<b>For Department Use Only</b>	
<b>VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION</b>	
<b>AUTHORIZATION TO DISCHARGE</b>	
<p>A determination has been made that the applicant meets the criteria necessary for inclusion under General Permit 3-9016. Subject to the conditions of General Permit No. 3-9016 the applicant is authorized to discharge from petroleum related remediation activities to Publicly Owned Treatment Works as described in Notice of Intent No.</p>	
DEC Reviewer:	Effective Date:

**GEOINSIGHT, INC.**

75365

DATE	INVOICE NO.	COMMENT	AMOUNT	NET AMOUNT
08/24/2016	JRM Ck Req			240.00
DATE 08/24/16 <b>VENDOR</b> State of Vermont			<b>TOTAL</b>	240.00

**Jonathan R. Meunier**

---

**From:** Jonathan R. Meunier  
**Sent:** Thursday, August 25, 2016 9:14 AM  
**To:** Jonathan R. Meunier  
**Subject:** RE: Dewatering into the Town of Barton municipal sewer system during replacement of the USTs at the Barton Circle K

**From:** Andrew Sicard [mailto:bvidpw@gmail.com]  
**Sent:** Thursday, August 25, 2016 9:01 AM  
**To:** Jonathan R. Meunier <jrmeunier@geoinc.com>  
**Cc:** Nathan Sicard <Nathan.sicard@gmail.com>  
**Subject:** Fwd: Dewatering into the Town of Barton municipal sewer system during replacement of the USTs at the Barton Circle K

----- Forwarded message -----

**From:** Jefferson Tolman <jtolman@utilitypartnersllc.com>  
**Date:** Thu, Aug 25, 2016 at 8:00 AM  
**Subject:** Re: Dewatering into the Town of Barton municipal sewer system during replacement of the USTs at the Barton Circle K  
**To:** "bvidpw@gmail.com" <bvidpw@gmail.com>

Hi  
Jonathan

Here Here is your allocation letter for discharging into the Barton Village sewer system as you requested. Barton Village will have to charge an impact fee, This fee will be the same as we charge all our commercial customers; \$25.71 per thousand gallons. If there is any thing else I can help with please feel free to contact me.

Thanks

Andrew Andy Sicard

DPW Foreman

Hi Andy-

The Barton WWTF can accept the groundwater that needs to be disposed of from the Barton Circle K UST replacement project based on my conversation with Jonathan Meunier and the information he has provided. Excessive or toxic discharges will not be accepted and we should reserve the right to shut them down at anytime we feel they are having a negative impact on our process.

Jefferson Tolman

Area Manager



Barton WTF/WWTF

112 Municipal Lane

Barton, Vermont 05822

Phone | 802.525.3219

Mobile | 802.535.4598

---

**From:** "Jonathan R. Meunier" <[jrmeunier@geoinc.com](mailto:jrmeunier@geoinc.com)>

**Date:** Wednesday, August 24, 2016 at 12:19 PM

**To:** "[bvidpw@gmail.com](mailto:bvidpw@gmail.com)" <[bvidpw@gmail.com](mailto:bvidpw@gmail.com)>

**Cc:** "Norton, Erin" <[Erin.Norton@irvingoil.com](mailto:Erin.Norton@irvingoil.com)>, "Brian D. Kisiel" <[BDKisiel@geoinc.com](mailto:BDKisiel@geoinc.com)>, Jefferson Tolman <[jtolman@utilitypartnersllc.com](mailto:jtolman@utilitypartnersllc.com)>

**Subject:** Dewatering into the Town of Barton municipal sewer system during replacement of the USTs at the Barton Circle K

Good Morning Andy,

As discussed during our recent phone conversation, the underground storage tank (UST) system at the Barton Circle K is scheduled to be replaced beginning September 12, 2016. Monitoring wells were historically present at the site and depth to groundwater ranged from approximately 7 to 10 feet below grade in the vicinity of the USTs. Installation of the two new USTs will require an excavation depth of approximately 14 feet below grade; therefore, it is likely that dewatering will be necessary to excavate the new tank grave and during installation of the new USTs. As discussed, the contractor would like to discharge groundwater generated during the upgrades into the Town of Barton's municipal sanitary sewer system. Groundwater would be initially pumped from the excavation area into an on-site frac tank to remove a majority of the gross sediment and suspended solids. The groundwater within the frac tank would then be processed through a dual bag sediment filter and either one or two granular activated carbon vessels (to remove any residual petroleum impacts) prior to discharging into a manhole adjacent to the site. We are also in the process of submitting an application to the Vermont Department of Environmental Conservation (VTDEC) which is required for discharges from petroleum related activities into publicly owned treatment works. I have included a copy of this application and supporting documents for you to review. Section B (4) of the application requires that we provide proof of municipal consent allowing the discharging or treated groundwater from the Barton Circle K facility. As discussed, if you could reply to this email with an approval statement which I will include within the submittal package to the VTDEC.

I appreciate your assistance and timely approval of the dewatering activities. Feel free to give me a call if you have any additional questions.

Thank you,

Jonathan

Jonathan R. Meunier

Project Environmental Scientist

**GeoInsight, Inc.**

186 Granite Street

3rd Floor, Suite A

Manchester, NH 03101

Tel: (603) 314-0820

Fax: (603) 314-0821

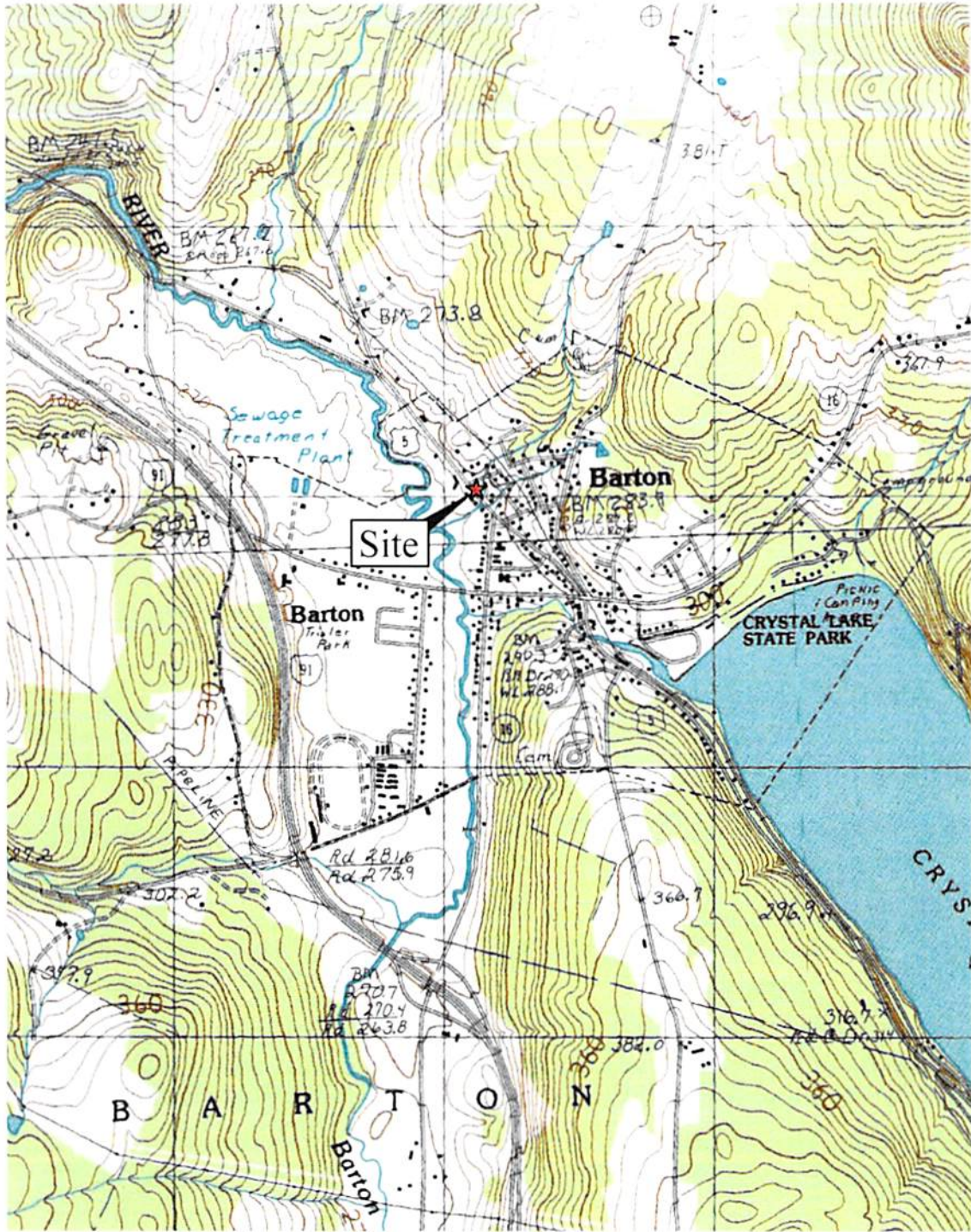
Cell: (603) 630-7781

[www.geoinsightinc.com](http://www.geoinsightinc.com)

**Environmental Strategy & Engineering**

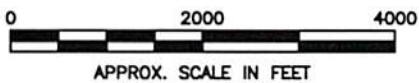
*Practical in Nature*

**NOTICE – This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and permanently deleting it from your computer. Thank you.**



**SOURCE:**

USGS ORLEANS, VT TOPOGRAPHIC  
 QUADRANGLE 1986  
 CONTOUR INTERVAL: 6 METERS



CLIENT:		IRVING OIL	
PROJECT:		452 MAIN STREET BARTON, VERMONT	
TITLE:		SITE LOCUS	
DESIGNED:	DRAWN:	CHECKED:	APPROVED:
JRM	STM	JRM	BDK
SCALE:	DATE:	FILE NO.:	PROJECT NO.:
1" = 2000'	08/24/16	8056-LOCUS	8056-000

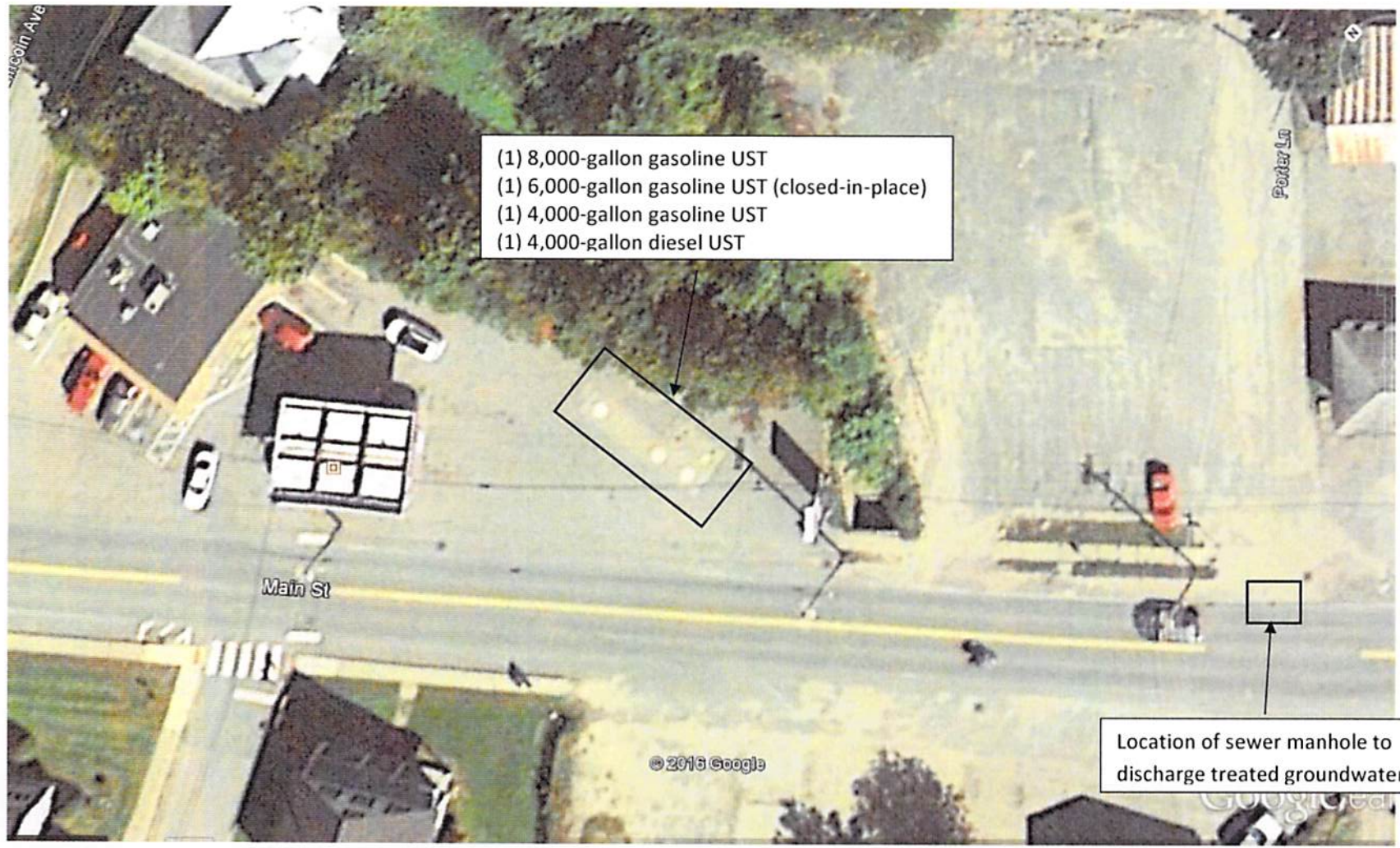


**GeoInsight**  
*Practical in Nature*

FIGURE NO.:

1

PLOT DATE: 8-24-16  
 FILE: I:\8056-LOCUS.dwg



- (1) 8,000-gallon gasoline UST
- (1) 6,000-gallon gasoline UST (closed-in-place)
- (1) 4,000-gallon gasoline UST
- (1) 4,000-gallon diesel UST

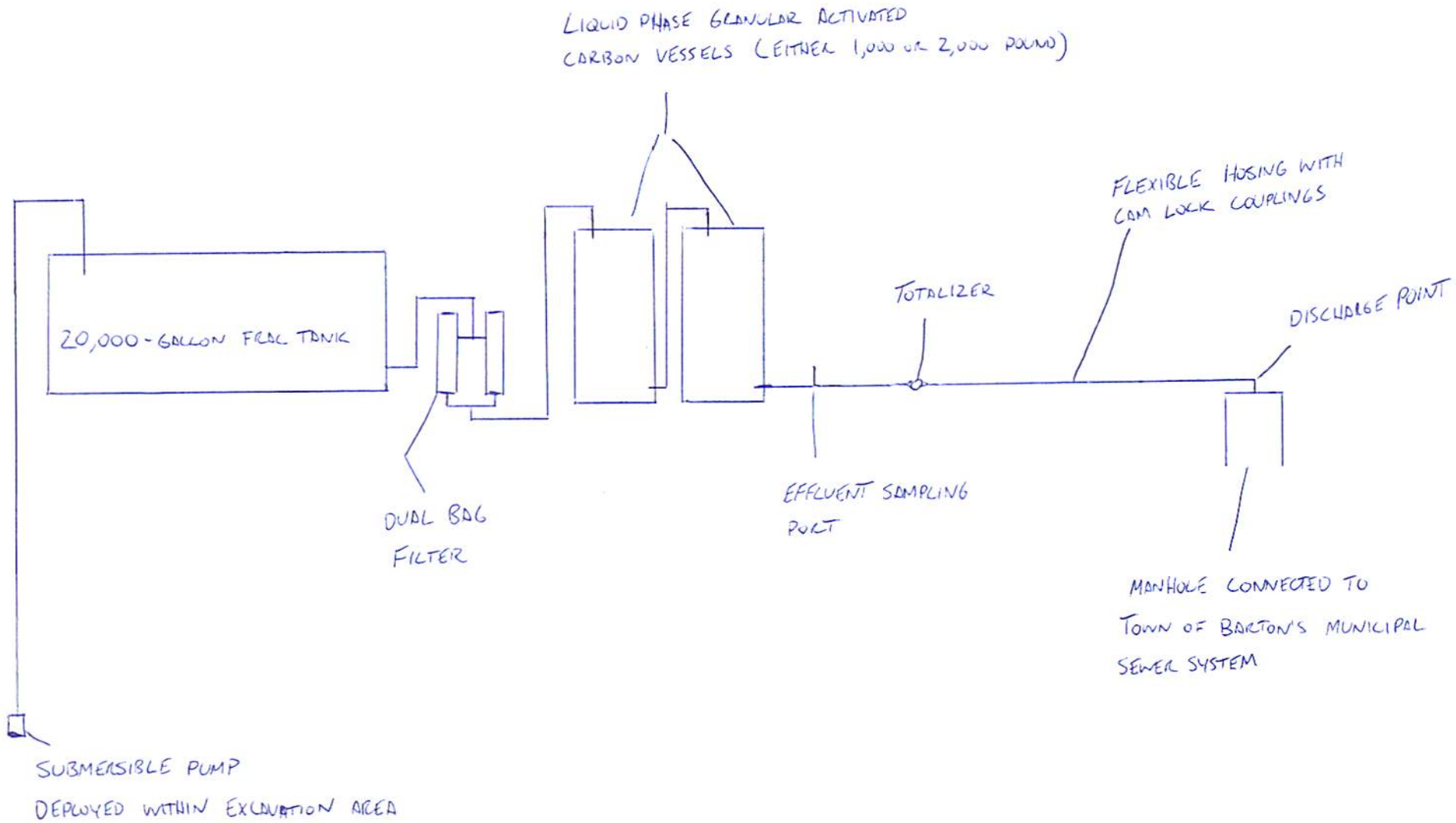
Location of sewer manhole to discharge treated groundwater

Barton Irving (#72606)  
452 Main Street, Barton, Vermont



# EXCAVATION DEWATERING SCHEMATIC

BARTON IRVING (# 72606)





State of Vermont  
Department of Environmental Conservation  
Waste Management Division  
103 South Main Street/West Building  
Waterbury, VT 05671-0404  
(802) 241-3886  
FAX (802) 241-3296  
john.schmeltzer@state.vt.us

**AGENCY OF NATURAL RESOURCES**

January 3, 2007

MICHELLE PAUL-ELIAS  
IRVING OIL CORPORATION  
190 COMMERCE WAY  
PORTSMOUTH NH 03801

RE: Sites Management Activity Completed at Irving Mainway in Barton  
Barton, VT (Site #97-2167)

Dear Ms. Paul-Elias:

Based on review of the file for Site # 96-1977, the Sites Management Section (SMS) has the following understanding of the site:

- As part of a Phase II environmental site assessment, four soil borings were installed at the site in 1997 to evaluate whether there was a petroleum release from the existing underground storage tanks (USTs). Gasoline range compounds at low concentrations were found in one of the soil borings.
- Four monitoring wells were installed in November 1997. The first groundwater samples were collected from the monitoring wells on December 8, 1997. The samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX), methyl tertiary butyl ether (MTBE), and gasoline range organics (GRO). Only the groundwater sample from one monitoring well (MW-3) had detectable concentrations of BTEX. However, the contaminant concentrations were below the Vermont Groundwater Enforcement Standards. Subsequent sampling rounds had similar results. The last sampling round took place on October 25, 2002.
- On December 19, 2006, Acadia Environmental Technology submitted a report documenting that in November 2005 the four monitoring wells were abandoned following the requirements in Section 12.3.5 in Appendix A of the Vermont Water Supply Rule- Chapter 21.
- The sensitive receptor risk evaluation indicated that the risk to potential receptors was low. In November 2005, a final vapor survey using a photoionization detector (PID) was conducted in the public utility manholes along Main Street and in nearby basements. No VOCs were detected.

Over



- On May 31, 2006, one of the three USTs at the site was closed in place. The 6,000-gallon was located between the other two active USTs. After the tank was cleaned out, a hole was cut out in the bottom so that a soil sample could be collected below the UST. A vapor concentration of 2 parts per million (ppm) was detected using a PID in the soil sample.

Based on the above understanding of the site, the SMS believes that the residual contamination at the site from the petroleum release does not pose an unreasonable risk to human health and safety or the environment. Therefore, the SMS is assigning this site a Site Management Activity Completed (SMAC) designation. This SMAC designation does not release current or past owners of any past or future liability associated with the contamination found at the site. It does, however, mean that the SMS is not requesting any additional work at this time.

Sincerely,



George Desch, Hazardous Sites Manager  
Sites Management Section

Cc via electronic mail: Mr. Jace A. Peason, Acadia Environmental Technology  
jss/972169/0102.schmeltzer.smac.barton.ipm.doc

ORIGIN ID: HIEA (003) 314-0820  
JONATHAN MEUNIER  
GEORNSIGHT, INC  
186 GRANITE STREET  
3RD FLOOR, SUITE A  
MANCHESTER, NH 03101  
UNITED STATES US

SHIP DATE: 25AUG16  
ACTWGT: 1.00 LB  
CAD: 5971889/NET3790  
BILL SENDER

TO  
**MUNICIPAL CLERK**  
**TOWN OF BARTON**  
**34 MAIN STREET**

**BARTON VT 05822**  
(802) 525-6222 REF: 8056-000  
NV DEPT  
PO



TRK# 7770 7720 2731  
0201  
FRI - 26 AUG 4:30P  
PRIORITY OVERNIGHT

**03 LLXA**  
VT-US  
05822  
MHT



544J1/1370/14E8

**After printing this label:**

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

**Warning:** Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.