



Waite-Heindel
Environmental Management

May 9, 2017

Data Clerk
Watershed Management Division
One National Life Drive
Montpelier, VT 05620-3522

Re: **Monitoring Report Form for NOI #3-4220 – April 2017**
Young Residence, 22 North Williams Street, Burlington, VT (SMS Site #2013-4436)

Dear Data Clerk:

Enclosed please find the April 2017 monitoring report for the Young Residence (NOI #3-4220) located in Burlington, VT.

April 2017 was the 9th month of metered discharge. A total of 2,024 gallons was discharged from March 21 to April 19, which is near or slightly above the anticipated flow rate for the system, and well below the flow rate observed in March 2017. No new leaks have formed and the system appears to be running without issues following repairs completed by WHEM in March 2017.

Flow rates appear to have subsided significantly from the March 2017 flow, although the water table remains relatively high due to frequent but light precipitation. WHEM continues to recommend the installation of a larger-diameter flow gauge, and understands from discussions with the City of Burlington that such a gauge may be available soon for installation.

At no point has the system malfunctioned and allowed the discharge of contaminated water above discharge limits. The influent sample showed low levels of Ethylene, Xylenes, Trimethylbenzenes, and Naphthalene, all below groundwater enforcement standards. A low detection of 1,2,4-Trimethylbenzene (1.5 ug/L) was detected in the effluent on April 3, as well as >10 Unidentified Peaks; on April 19, however, no compounds were detected and only 2 Unidentified Peaks were reported. **Influent** concentrations have consistently been reported below the permitted **effluent** guidelines as presented on the attached WR-43-9004 form.

Please do not hesitate to contact me at 802-860-9400 x104 or cpage@waiteenv.com with any questions you may have.

Sincerely,

A handwritten signature in black ink that reads 'Chris Page'.

Christopher Page
Project Scientist

Enclosures

cc: Bill Young
Steve Roy - City of Burlington
Hugo Martinez-Cazón-Waste Management and Prevention Division (via email)

ATTACHMENT

**MONITORING REPORT FOR DISCHARGES FROM PETROLEUM RELATED
REMEDIAATION ACTIVITIES AUTHORIZED BY
GENERAL PERMIT 3-9004 and 3-9016**

PERMITTEE: Bill Young
ADDRESS: 28 North Williams Street
Burlington, VT 05401
PHONE: 802-862-8018

NOI# 3-4220.1605
Discharge Point Lavalley Lane POTW
Monitoring Period April 2017
Month/Year

NOIs authorized by both General Permits must monitor the influent at least once per month.

PARAMETERS	FLOW	BENZENE	TOTAL BTEX	MTBE	TPH *
UNITS OF MEASURE:	GALLONS	ppb	ppb	ppb	ppb
FREQUENCY OF MEASURE:	1x per month	2x per month	2x per month	2x per month	2x per month
SAMPLE TYPE:	MEASURED TOTAL	GRAB	GRAB	GRAB	GRAB
LIMIT:	Not to exceed pump capacity	5 ppb	50 ppb	monitor only	1000 ppb
SAMPLE DATE:	INFLUENT SAMPLE RESULTS				
4/19/17		<1/ND	<13.5	<2/ND	<580/ND
SAMPLE DATE:	INDIVIDUAL EFFLUENT SAMPLE RESULTS				
4/13/17	714.5	<1/ND	<5/ND	<2.0/ND	<570/ND
4/19/17	1310.1	<1/ND	<5/ND	<2.0/ND	<560/ND
FLOW TOTAL:	2024.6				
AVERAGE:	1012.3	<1/ND	<5/ND	<2/ND	<565/ND

- General Permit 3-9004 and General Permit 3-9016 = Effluent discharges lasting less than two weeks in duration shall be sampled a minimum of two times for those parameters listed above. Influent shall be sampled a minimum of one time.
- If sample results indicate that the effluent does not meet limits, take an additional effluent sample within 3 business days of receiving the results.
- Flow shall be measured as the total gallons discharged since the last meter reading. Flows may be measured or estimated by use of integrating timers on pumps, or by use of a weir or flume and a continuous recording flow meter.
- * TPH monitoring is required if the source is diesel, heating oil, kerosene, and or jet fuel.

COMMENT AND EXPLANATION OF ANY VIOLATIONS: (Reference all attachments here)

Prepared by: Chris Page PRINT: Chris Page Phone: 860-9400

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Approved by: _____
(Authorized Agent)

Mail report form to

Data Clerk
Watershed Management Division
One National Life Drive
Montpelier VT 05620-3522

Do not attach lab sheets. Retain them as required in Part III.H.