



**Waite - Heindel**  
Environmental Management

March 14, 2018

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

Re: **Monitoring Report Form for NOI #3-4220 – February 2018**  
Young Residence, 22 North Williams Street, Burlington, VT (SMS Site #2013-4436)

Dear Data Clerk:

Enclosed please find the February 2018 monitoring report for the Young Residence (NOI #3-4220) located in Burlington, VT.

February 2018 was the 19<sup>th</sup> month of metered discharge. Based on flow totalizer readings collected on both February 5 and February 20, 2018, there was a total of 497.2 gallons of flow from the system from January 23 to February 20. Irregular flow rates over the past few months may be due to a faulty pump float switch; WHEM addressed this problem during our February 20 monitoring event, correcting the float switch assembly to allow for smoother activation/deactivation of the sump.

The system is free of leaks. At no point has the system malfunctioned and allowed the discharge of contaminated water above discharge limits. Low concentrations of several VOCs (Ethylbenene, Xylenes, Trimethylbenzenes, and Naphthalene) were detected in the influent sample on February 20, 2018, but all well below standards. TPH-DRO was non-detected in the influent samples. No VOCs were detected in the effluent; one unidentified peak was reported in the February 20 sample. **Influent** VOC 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](mailto: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  
REMEDATION 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** February 2018  
**Month/Year**

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

<u>PARAMETERS</u>	<u>FLOW</u>	<u>BENZENE</u>	<u>TOTAL BTEX</u>	<u>MTBE</u>	<u>TPH *</u>
<b>UNITS OF MEASURE:</b>	GALLONS	ppb	ppb	ppb	ppb
<b>FREQUENCY OF MEASURE:</b>	1x per month	2x per month	2x per month	2x per month	2x per month
<b>SAMPLE TYPE:</b>	MEASURED TOTAL	GRAB	GRAB	GRAB	GRAB
<b>LIMIT:</b>	Not to exceed pump capacity	5 ppb	50 ppb	monitor only	1000 ppb
<b>SAMPLE DATE:</b>	<b>INFLUENT SAMPLE RESULTS</b>				
2/20/18		ND / < 1.0	< 5.6	ND / <2.0	ND / < 580
<b>SAMPLE DATE:</b>	<b>INDIVIDUAL EFFLUENT SAMPLE RESULTS</b>				
2/5/18	478 gal	ND / <1.0	ND / <5.0	ND / <2.0	ND / < 580
2/20/18	19 gal	ND / <1.0	ND / <5.0	ND / <2.0	ND / < 590
<b>FLOW TOTAL:</b>	497 gal				
<b>AVERAGE:</b>	248.5 gal	ND / <1.0	ND / <5.0	ND / <2.0	ND / < 585

- 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: Christopher Page Phone: 802 860 9400 x104

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: [Signature]  
(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.