



**Waite-Heindel**  
Environmental Management

January 9, 2017

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

Re: Monitoring Report Form for NOI #3-4220 – December 2016  
Young Residence, 22 North Williams Street, Burlington, VT (SMS Site #2013-4436)

Dear Data Clerk:

Enclosed please find the December 2016 monitoring report for the Young Residence (NOI #3-4220) located in Burlington, VT.

December 2016 was the 5<sup>th</sup> month of metered discharge. A total of 597.7 gallons was discharged from November 15 to December 23, which is below the anticipated flow rate for the system but the most flow reported since system monitoring began. This is likely due to an increase in precipitation over the monitoring period relative to the dry months preceding it. At no point has the treatment system malfunctioned, allowing the discharge of contaminated water above discharge limits. The influent sample showed low levels of Benzene, Ethylene, Xylenes, Trimethylbenzenes, and Naphthalene, all below groundwater enforcement standards. The effluent sample was non-detected for VOCs in December 2016, with no Unidentified Peaks.

Additionally, **influent** concentrations have consistently been reported below permitted **effluent** guidelines as presented on the attached WR-43-9004 form. Should this trend continue, we may seek an amendment to the sampling requirements for this discharge permit.

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)

\\\\SERVER\\DATA\\PROJECTS - WHEM\\YOUNG WILLIAMS STREET\\DISCHARGE PERMIT\\MONTHLY REPORTS\\YOUNG DISCHARGE MONITORING  
DECEMBER2016.DOCX

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 Burlington-Lavalley Lane  
Monitoring Period 12/16  
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				
12/23/16	—	0.7	<17.4	ND/L2.0	170
SAMPLE DATE:	INDIVIDUAL EFFLUENT SAMPLE RESULTS				
12/8/16	380.7	ND/L1.0	ND/L5.0	ND/L2.0	ND/L40
12/23/16	216.95	ND/L1.0	ND/L5.0	ND/L2.0	ND/L40
FLOW TOTAL:	597.7				
AVERAGE:	298.83	<1.0	<5.0	<2.0	<40

- 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, WHEM 1/9/16 PRINT: Christopher Page Phone: 802 860 9400 x 104

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.