



Waite-Heindel
Environmental Management

June 12, 2017

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

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

Dear Data Clerk:

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

May 2017 was the 10th month of metered discharge. A total of 851 gallons was discharged from April 19 to May 19, which is below the anticipated flow rate and closer to flow rates observed prior to heavy precipitation in early Spring 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. At no point has the system malfunctioned and allowed the discharge of contaminated water above discharge limits. The influent sample showed low levels of Trimethylbenzenes and Naphthalene, all below groundwater enforcement standards. Effluent samples were free and clear of contamination, except for each round reported one (1) unidentified peak. **Influent** concentrations have consistently been reported below the permitted **effluent** guidelines as presented on the attached WR-43-9004 form.

WHEM is currently generating a report on recalcitrant petroleum contamination in soils. It is possible that, based on conversations with the VT DEC and following removal of the remaining free product in soils, a treatment system will no longer be required for the Young basement dewatering system.

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 May 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				
6/19/2017		ND / <1	< 9.1	ND / <2	ND / 580

SAMPLE DATE:	INDIVIDUAL EFFLUENT SAMPLE RESULTS				
6/6/2017	536.8	ND / <1	ND / <5	ND / <2	ND / 550
6/19/2017	314.5	ND / <1	ND / <5	ND / <2	ND / 570
FLOW TOTAL:	851.3				
AVERAGE:	425.6	ND / <1	ND / <5	ND / <2	ND / 560

- 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, WHEM Phone: 802-860-9400

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: [Signature] (Permittee)

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.