

State of Vermont
Department of Environmental Conservation
Waste Management & Prevention Division
1 National Life Drive – Davis 1
Montpelier, VT 05620-3704
chuck.schwer@state.vt.us

June 25, 2014

Doug Freilich
PO Box 65
Pawlet, VT 05761

RE: Site Management Activity Completed, Freilich Residence, 378 VT Route 133, Pawlet, VT (SMS Site #2011-4244)

Dear Mr. Freilich:

The Sites Management Section (SMS) has received confirmation of monitoring well closure for the above referenced site, which was submitted by Paul DG Miller. Subsurface contamination was encountered at this site during the removal of a heating oil underground storage tank (UST). Based on the information presented in the report, we have made the following conclusions:

- On October 21, 2011, a 550-gallon #2 heating oil UST was removed from the site. It was evident a release had occurred to the subsurface, possibly from a hole identified in the tank cavity. Soils surrounding the tank were screened for volatile substances using a photoionization detector (PID) and had readings up to 329 parts per million (ppm). Groundwater was encountered at a depth of 11 feet below grade, and was observed to have heavy petroleum sheens. The full extent of contamination was not determined.
- Paul D.G. Miller conducted initial site investigation work at this property in November, 2011, which included the installation of five soil borings/monitoring wells in the vicinity of the former tank. Groundwater samples were collected from the monitoring wells and submitted to a laboratory for analysis of volatile organic compounds (VOCs) using EPA Method 8260B. VOCs were recorded only in the source area well (FR-1), though no contaminants exceeded the Vermont Groundwater Enforcement Standards (VGES).
- On May 6, 2013, groundwater samples were collected from two of the five monitoring wells and analyzed for volatile organic compounds (VOCs). Several petroleum compounds were detected in MW-1 and naphthalene and trimethylbenzene concentrations exceeded the VGES. This well is located directly adjacent to the former UST. Contaminant concentrations were found to have increased from the previous sampling round.
- Wells FR-1 and FR-2 were sampled again in April, 2013 and though trace levels of VOCs were recorded, no contaminants exceeded the VGES.
- A survey of sensitive receptors was conducted at the property. Potential receptors in this area include soils, groundwater and drinking water. It does not appear that there has been any substantial impact to the shallow groundwater aquifer. Drinking water samples were collected from the onsite bedrock water supply well and the bedrock wells at two adjacent properties (Munson and Waite Residences) and analyzed for VOCs. No VOCs were detected in any of the samples in excess of the minimum
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laboratory detection levels. The indoor air spaces adjacent to the former tanks were screened for volatile substances using a PID and no elevated readings were recorded. Residual soil contamination is at depth and will dissipate over time.

- The monitoring wells at this site were closed on June 18, 2014.
- No unacceptable risk to human health or the environment is believed to be present due to any residual contamination remaining at the site from the former heating oil UST.

Based on the above, the SMS is assigning this property a Site Management Activity Completed (SMAC) designation. The SMAC designation will not release the owner(s) of the property from any past or future liability associated with the petroleum contamination at the site. It does, however, mean that the SMS is not requesting any additional work in response to the contamination discovered during the closure of the UST in 2011.

Please feel free to call myself or Ashley Desmond of the SMS at (802) 828-1138 if you have any questions.

Sincerely,



Chuck Schwer, Section Chief
Site Management Section

c: Paul D.G. Miller
DEC Regional Office
Pawlet Health Officer
Pawlet Selectboard

All sent via email