

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

July 10, 2014

Gary Gardner
211 Rod & Gun Club Road
Shaftsbury, VT 05262

RE: Site Management Activity Completed, Gardner Property, 48 Holliday Drive, Shaftsbury, VT (SMS Site #2012-4289)

Dear Mr. Gardner:

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 May 7, 2012, Paul D.G. Miller conducted an site evaluation during the removal of a 550-gallon heating oil UST. The UST was found to be in poor condition, with a least two holes in the tank cavity. Soil and groundwater impacts were noted in the areas surrounding the UST. Soils screened for petroleum vapors using a photoionization detector (PID) had readings up to 205 parts per million (ppm). It was noted that soil contamination extended to depths below the shallow groundwater interface. All soils were backfilled into the excavation.
- Paul D.G. Miller conducted initial site investigation work at this property in October, 2012, which included the installation of six soil borings in the vicinity of the former tank, four of which were completed as monitoring wells. 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 in two of the monitoring wells. Well GP-1 had trimethylbenzene concentration in excess of the Vermont Groundwater Enforcement Standards (VGES).
- On May 6, 2013, groundwater samples were collected from the four monitoring wells and analyzed for volatile organic compounds (VOCs). Naphthalene concentrations exceeded the VGES in monitoring well GP-1.
- Wells GP-1 and GP-2 were sampled again in April 23, 2014 and naphthalene concentrations were found to be stable from the previous monitoring round, though still in excess of the VGES.
- A survey of sensitive receptors was conducted at the property. Potential receptors in this area include soils and groundwater. Groundwater contamination is limited in extent and will dissipate over time. Indoor air spaces adjacent to the former tank were screened for volatile substances using a PID and no elevated readings were recorded. Residual soil contamination is at depth and there are no exposure points to this contamination. All properties in the surrounding area are served by a municipal drinking water system.



- 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 2012.

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, consultant
DEC Regional Office – Rutland
Shaftsbury Selectboard
Shaftsbury Health Officer

All sent via email