



State of Vermont

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September 22, 1997

IRENE VICTORIA
RR 1 BOX 207
WEST TOWNSHEND VT 05359

RE: Sites Management Activity Completed at Victoria Residence
West Townshend, Vermont (Site #95-1746)

Dear Ms. Victoria:

The Sites Management Section (SMS) has reviewed the letter dated August 28, 1997 by Environmental Compliance Services about the condition of the soil stockpiled on your property. With the information presented in this letter and previous site reports, the SMS has the following understanding about the petroleum contamination at your residence:

- Petroleum contamination and free product was found in the excavation of a 1,000-gallon #2 fuel oil underground storage tank (UST), which was removed on December 29, 1994. About 50 gallons of oil and water from the excavation were pumped into a vacuum truck. Three to five cubic yards of contaminated soil were stockpiled onsite. A monitoring well was placed in the former UST location.
- Next to the former UST location is a french drain system that ends about 200 feet downgradient. Free product was found in a test pit placed directly downgradient from the french drain outlet. Two additional test pits were placed further downgradient and soil contamination was still found.
- To establish the degree and extent of contamination downgradient from the french drain outlet, the consultant advanced nine soil borings with a hand auger on May 17, 1995. Depth of borings ranged from one foot to three feet. The three soil borings closest to the french drain outlet had Photoionization detector (PID) readings above background, with 36 parts per million as the highest reading. No groundwater was detected in the nine soil borings.
- Water samples were collected from the monitoring well placed in the former UST location and the outlet of the french drain on three occasions, with the last round collected on June 14, 1996. Contaminant concentrations from the monitoring well and the french drain outlet were below the Vermont Groundwater Enforcement Standards. The highest

(Over)

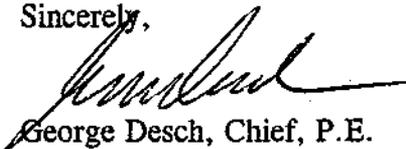
concentration of contaminants was 2.5 parts per billion (ppb) of toluene at the french drain outlet. The samples were also analyzed for total petroleum hydrocarbons (TPH). The sample from the monitoring well had a concentration of 13 ppm. No TPH was detected in the sample from the french drain outlet.

- The closest sensitive receptors are the onsite drinking water well and the basement of the residence. The drinking water well is located about 50 feet from the former UST location. Based on the topography and drainage features, the drinking water well appears hydraulically upgradient from the contamination. Water from this well was sampled twice, with the last sample collected on October 12, 1995. No petroleum contaminants were detected in samples from the drinking water well. The basement of the Victoria residence was screened with a PID, and no petroleum vapors were detected.
- On August 21, 1997, the stockpiled soil was screened with a PID. No vapors were detected in the samples. The SMS no longer considers the stockpile contaminated and it can now be spread on site.
- No unacceptable risk to human health and the environment is present due to any residual contamination remaining in the ground from the removal of the USTs. The nearest offsite surface water is an unnamed stream about 450 feet west-southwest of the site.

Based on the above, the SMS is assigning this site a Site Management Activity Completed (SMAC) designation. This SMAC designation does not release you of any past or future liability associated with the petroleum contamination remaining in the ground from the removed USTs. It does, however, mean that the SMS is not requesting any additional work at this time.

If you have any questions or comments, please contact me at (802) 241-3886.

Sincerely,



George Desch, Chief, P.E.
Sites Management Section

CC: Susan L. Pittenger, Environmental Compliance Services
Townshend Selectboard
DEC Regional Office

ISS:wp51/sites/961968/vr.sms