



## State of Vermont

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September 27, 2001

BRENT BETIF  
LANDMARK COLLEGE  
RIVER ROAD  
PUTNEY VERMONT 05346

RE: Sites Management Activity Completed at Landmark College  
Putney, Vermont (Site #94-1666)

Dear Mr. Betif:

The Sites Management Section has reviewed four underground storage tank (UST) removal reports and subsequent annual monitoring reports. Based on these reports, the SMS has the following understanding of the site:

- On August 15-19, 1994, soil contamination was found during the removal of two No. 2 fuel oil USTs: a 7,600-gallon UST located next to the Frost Building and a 5,000-gallon UST next to the Aiken Building. All soils with a organic vapor meter (OVM) reading of 10 parts per million (ppm) were removed. The 40 cubic yards of soil were stockpiled onsite in the parking lot near the Science Building. No evidence of groundwater was found during the excavation.
- On August 11, 1995, a 10,000-gallon No. 2 fuel oil UST was removed near the college library. The degree and extent of the contamination was defined. Approximately 1.5 cubic yards were stockpile next to stockpile from the 1994 UST removals. No evidence of groundwater was found during the excavation.
- On August 19, 1996, soil and groundwater contamination was found during the excavation of a 7,600-gallon No. 2 underground storage tank (UST) located near Davis Hall. Photoionization detector (PID) readings from soil samples collected during the excavation ranged from 0.0 ppm to 236 ppm, with 70 ppm as the average. The highest PID reading was from a sample collected at a depth of 10 feet. A thin layer of free-phase product was present on the groundwater in the excavation. Aproximately 80 cubic yards of contaminated soil were removed so that a new 10,000-gallon UST could be installed. The soils were stockpiled next to the previous stockpiles in the parking lot near the Science Building.

(Over)

- In August 1996, three monitoring wells were installed in the vicinity of Davis Hall. One well (MW-1) was placed in the former UST location and the other two (MW-2 and MW-3) were placed hydraulically downgradient from the former UST location. Groundwater samples were collected from the monitoring wells on September 27, 1996, and March 18, 1997. The groundwater samples in both rounds were analyzed for volatile organic compounds (VOCs) using EPA Method 8020. In the March 18, 1997 round the samples were also analyzed for total petroleum hydrocarbons (TPH) using modified EPA Method 8100. No target VOCs or TPHs were detected in the samples.
- Your environmental consultant, Marin Environmental, recommended that groundwater sampling be discontinued and the monitoring wells be properly closed. The SMS agreed with this recommendation. In a letter dated December 17, 1997, you indicated that the monitoring wells will be grouted and the road boxes will be removed. In an e-mail dated September 27, 2001, you confirmed that the monitoring wells were properly closed in Spring 1998.
- On August 4-5, 1997, a 7,600-gallon No. 2 fuel oil UST was removed near Middle Hall. The vertical extent of the contamination was defined and removed. Approximately 80 cubic yards of contaminated soil was removed stockpiled in the parking lot where the previous stockpiles were placed. Approximately five cubic yards of contaminated soil was not removed because it was located beneath the base of the electric transformer and the entrance walkway to Middle Hall. No evidence of groundwater was found during the excavation.
- The stockpiles from the 1994 and 1995 UST removals met the criteria for spreading on May 16, 1997. The stockpiles from the 1996 and 1997 UST removals met the criteria for spreading on November 24, 1998.
- The closest water supply well to the former tanks is greater than 500 feet.

Based on the above, the SMS believes that the residual petroleum contamination at the site does not pose an unreasonable risk to human health and safety or the environment. Therefore, 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) 241-3888.

Sincerely,



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

cc: Andrew Hoak, Marin Environmental

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