



State of Vermont

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November 5, 1999

GEORGE DOMINELLO
67 WATERSIDE LANE
WEST HARTFORD, CONNECTICUT 06107

RE: Site Management Activity Completed, Dominello Residence, SMS Site #99-2693
Ludlow, Vermont

Dear Mr. Dominello:

The Sites Management Section (SMS) has reviewed the October 29, 1999 report titled, "*Investigation of Subsurface Petroleum Contamination at the Dominello Residence*" prepared by Griffin International for work conducted at the above referenced site. The SMS has also reviewed information contained in the site file. With this information, the SMS can now make the following conclusions:

- On July 29, 1999 one 500 gallon and one 1,000 gallon fuel oil underground storage tank (UST) were removed from the Dominello property at 44 West Village in Ludlow. During the UST removals, holes were observed in the 1,000 gallon UST and petroleum sheens were noted on the groundwater entering the UST cavity. An Expressway investigation of the site was initiated by Griffin, after telephone approval by the SMS.
- On September 21, 1999 three groundwater monitor wells (MW-1, tank pit; MW-2 up gradient; and MW-3, down/cross gradient) were installed on site to evaluate potential contamination to the groundwater (a 4th proposed well could not be installed due to site constraints). Groundwater samples were collected from MW-1 and MW-3. MW-2 could not be sampled because the well road box was submerged. No detectable petroleum contaminants were found through analysis via EPA 8021B and EPA 8015 DRO. No unidentified chromatogram peaks were noted.
- Groundwater flow direction could not be established with only 2 monitor points; however the house is on a hillside and flow is likely to follow the surface contour. The house is of slab on grade construction and is up hill of the former UST location.
- The nearest at risk surface water is a tributary of the Black River, approximately 2000 feet

over

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down gradient to the east. No other sensitive environmental receptors were identified.

- The subject building and area buildings are served by individual water supply wells. The Dominello well is approximately 40' up hill to the northwest. The nearest neighboring well is owned by the Keating family and is 45' up hill toward the northeast. These wells were not sampled; however, because of their locations and the fact that no petroleum contaminants were detected at the source area, it does not appear likely that these wells are at risk from contamination.
- No unacceptable risk to human health and the environment is present due to any residual contamination remaining in the ground from the removed USTs.

Based on the above, the SMS is assigning this site a Site Management Activity Completed (SMAC) designation. This SMAC designation does not release you, George Dominello, of any past or future liability associated with the petroleum contamination onsite. It does, however, mean that the SMS is not requesting any additional work in response to the 1999 UST removals.

If the monitoring wells are no longer used or maintained, then they must be properly closed to eliminate possible conduits for contaminant migration into the subsurface. This closure typically involves filling the wells with a grout material to prevent fluid migration in the borehole. Specific requirements for well closure are outlined in Section 12.3.5 in Appendix A of the Vermont Water Supply Rule-Chapter 21.

Please feel free to call with any questions.

Sincerely,



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

CC: Ludlow Selectboard
Ludlow Health Officer
DEC Regional Office
Beth Stopford, Griffin International