



State of Vermont

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February 21, 2001

Mr. Theodore Siegler, Chairman
Town of West Windsor
P.O. Box 6
Brownville, Vermont 05037

RE: Site Management Activity Completed at the West Windsor Town Garage (SMS Site # 94-1697), Brownville,
Vermont

Dear Mr. Richardson:

The Sites Management Section (SMS) has completed a file review, for the above referenced site, referencing the contamination discovered during the routine removal and replacement upgrade of one (1) 2,000 gallon diesel fuel underground storage tank (UST) and one (1) 500 gallon diesel fuel UST, at the West Windsor Town Garage, Route 44, Brownville, Vermont. With this information the SMS can now make the following conclusions:

- On September 21, 1994, petroleum stained contaminated soils were encountered during the routine removal and replacement upgrade of one (1) 2,000 gallon diesel fuel UST and one (1) 500 gallon diesel fuel UST.
- During site activities, approximately 20 cubic yards of contaminated soil with photoionization detector (PID) concentrations up to 50 parts per million (ppm) were removed from the excavation and polyencapsulated on-site. Soils with the peak PID concentrations were in the vicinity of the pump island.
- Contaminated soils with PID vapor levels above 10 ppm were removed from the tank pit. Approximately 5 cubic yards of cow manure was incorporated into soil stockpile to speed biologic degradation.
- Contamination in the vicinity of the pump island appeared to extend down to the water table.
- Groundwater was encountered at a depth of approximately 14.0 feet below ground surface (bfgs) in the excavation. No sheens or free product were observed on the groundwater in the tank pit excavation.
- One monitoring well was installed in the tank pit extending to 15.0 feet below ground surface.
- On December 28, 1994, the monitoring well and an on-site drinking water well were sampled. The samples were analyzed for purgable aromatic compounds using EPA Method 602. Both samples were non-detectable for volatile constituents.
- On October 2, 1995, the soil stockpile was screened in four (4) locations. All points were less than 1ppm as measured with a PID.
- On October 4, 1995, the SMS gave verbal permission for the soil stockpile to be dismantled and spread on-site.
- In a letter dated February 21, 2001, Mr. Ted Siegler, Chairman, West Windsor Selectboard, confirmed that the soil stockpile was used as fill during the construction of a new highway garage in 1998.

- No unacceptable risk to human health and the environment is present due to the residual contamination remaining in the ground from the contaminated soils encountered during the routine removal and replacement upgrade of one (1) 2,000 gallon diesel fuel UST and (1) 500 gallon diesel UST from the West Windsor Town Garage in September of 1994.

Based on the above, the SMS is assigning this site a Site Management Activity Completed (SMAC) designation. If the monitoring well at the site is no longer used or maintained, then it must be properly closed to eliminate a possible conduit for contaminant migration into the subsurface. This closure typically involves filling the well 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. The SMS considers reasonable costs to properly close the monitoring well at this site reimbursable by the Petroleum Cleanup Fund if uninsured and eligible costs for cleanup at the site exceed the \$10,000 deductible.

This SMAC designation will not release you from any past or future liability associated with the petroleum contamination at the site. It does, however, mean the SMS is not requesting any additional work in response to the USTs removal from the West Windsor Town Garage in September of 1994.

Please call me with any questions you may have. I can be reached at (802) 241-3491.

Sincerely,



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

cc: West Windsor Select Board w/o enclosure
West Windsor Health Officer w/o enclosure
DEC Regional Office w/o enclosure
Christopher Aldrich, Wagner, Heindel, and Noyes, Inc.

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