



State of Vermont

Department of Fish and Wildlife
Department of Forests, Parks and Recreation
Department of Environmental Conservation
State Geologist
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AGENCY OF NATURAL RESOURCES
Department of Environmental Conservation
Waste Management Division
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December 18, 1996

Erika Lust
1540 Upper Notch Road
Lincoln, Vermont 05443

Re: Site Management Activity Complete
Vallemar Farm
Lincoln 95-1898

Dear Ms. Lust,

The Sites Management Section of the Department of Environmental Conservation has received and reviewed the documents listed below, and on the bases of these has concluded that the Vallemar Farm petroleum release site is eligible for closure. The petroleum contamination was associated with two former underground gasoline storage tanks. It should be noted that two fuel oil tanks have also been removed from this site.

Documents relied upon for this determination:

- October 24, 1995 Underground Storage Tank Removal and Closure letter for V.H. Lust Farm.
- November 27, 1995 Initial Site Investigation for V.H. Lust Farm.
- May 31, 1996 Removal and Assessment of Two 2,000 Gallon Fuel Oil USTs at Vallemar Farm letter report.
- June 20, 1996 Soil and Water Quality Results from Removal of Two Fuel Oil USTs at the Vallemar Farm report.
- March 13, 1996 Quarterly Site Monitoring report for Vallemar Farm.
- July 12, 1996 Vallemar Farm Quarterly Site Status Update.
- August 26, 1996 Vallemar Farms Quarterly Site Status Update.

All documents listed were prepared by Lincoln Applied Geology.

Findings

From the above referenced documents the Sites Management Section has made the following findings:

Gasoline Tank Site

- On October 17 and 20, 1995 a 550 gallon and a 1000 gallon steel underground storage tanks used for gasoline were removed from

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the same excavation. Petroleum contamination was observed in the excavation. All contaminated soils were placed in the pit during backfilling and a monitoring well was installed. Five test pits were dug around the site, with soil gas being analyzed by photoionization. Monitoring wells were installed in the pits.

- On February 19, 1996 field monitoring found no free product in the soil but elevated petroleum component concentrations were found in the soil gas and groundwater at the test pit in the tank excavation and the pit immediately downgradient. No contamination above the State of Vermont Groundwater Enforcement Standards was found in the three other pits located further away from the tank location. No vapor contamination was found in the basement of the nearest house, nor any detectable contamination in that house's water supply.
- Headspace gas analyses in the monitoring wells, water supply well and house basement were conducted monthly, and ground and potable water sampling quarterly from February to August 1996. The results confirmed that the low level contamination was confined to the immediate area of the former tank site.
- In the August 26, 1996 report Steven LaRosa of Lincoln Applied Geology recommended that no further work be done on the site and that it be closed.

Fuel Oil Tank Sites

- On May 28, 1996 two 2000 gallon underground storage tanks used for home heating oil were removed at separate locations on the farm site. Evidence of limited petroleum contamination was found in each excavation. All excavated soils were returned to the pits during backfilling. Groundwater and soil samples from the excavations were analyzed, and monitoring wells installed in each. Contamination levels in both types and sets of samples were not significant. Vermont Groundwater Enforcement Standards were not exceeded.
- In a June 20, 1996 report William Norland of Lincoln Applied Geology recommended that no further work be done on the fuel tank sites.

Determination

The Sites Management Section concludes that there is no significant soil or groundwater contamination as a result of the oil residue found in the the fuel tank excavations, and that the petroleum contamination in the vicinity of the gasoline tank excavation is limited and likely to

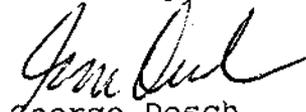
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attenuate with little or no further spread. The only potential receptors on the site are a house basement and a water supply well. Neither show any evidence of contamination and it is not expected that contamination will migrate to them.

The Sites Management Section designates the Vallemar Farm site on Upper Notch Road in Lincoln as Site Management Activity Complete (SMAC). This designation means that the Section has no further requests for work on the site at this time. This designation does not relieve the Lusts or future owners of liability associated with any past or present contamination on the site.

The Sites Management Section appreciates the cooperation of the Lusts and their consultants in the investigation and monitoring of this site. If you have any questions on this determination or related matters please contact Donald Robisky at the above address and telephone number.

Sincerely,



George Desch
Chief, Sites Management Section

cc: Steven LaRosa