



## State of Vermont

Department of Fish and Wildlife  
Department of Forests, Parks and Recreation  
Department of Environmental Conservation  
State Geologist  
RELAY SERVICE FOR THE HEARING IMPAIRED  
1-800-253-0191 TDD>Voice  
1-800-253-0195 Voice>TDD

AGENCY OF NATURAL RESOURCES  
Department of Environmental Conservation  
Waste Management Division  
103 South Main Street / West Building  
Waterbury, Vermont 05671-0404  
(802) 241-3888  
FAX (802) 241-3296

July 7, 1999

MIKE MORISSETTE  
VERMONT AGENCY OF TRANSPORTATION  
133 STATE STREET  
MONTPELIER, VERMONT 05633-5001

RE: Site Management Activity Completed, Southeast Corner of Routes 10 and 103  
SMS Site #97-2328  
Chester, Vermont

Dear Mr. Morissette:

The Sites Management Section (SMS) has reviewed the June 1999 report titled, "*Confirmatory Site Monitoring and Water Quality Sampling Summary Report*" prepared by Lincoln Applied Geology (LAG) 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 December 12, 1997 one 1,100 gallon fuel oil underground storage tank (UST) and one 1,100 gasoline UST were removed from the southeast corner of Routes 10 and 103, in the VAOT road right-of-way in Chester. During the UST removal, soils surrounding the USTs were found to be contaminated with petroleum compounds at concentrations above SMS guideline levels, as measured with a photionization device (PID). No evidence of groundwater contamination (free product) was observed during the UST removal.
- Four monitoring wells were installed on site to monitor contamination to the groundwater. Groundwater was sampled for petroleum contaminants (EPA Methods 8020 and 8100M) in September 1998 and May 1999. MTBE was found at levels below the Vermont Groundwater Enforcement Standards (VGES) in MW-2 (6.6 µg/L) and MW-4 (9.2 µg/L) during the September sample round. No method analytes were detected during the May sample round.
- The on-site bedrock water supply well and Range Restaurant were identified as the only sensitive receptors in the area. The water supply well was sampled on the same dates as the 4 monitor wells and no contamination was detected. The indoor air of the Range Restaurant was screened via PID and no detectable volatile organic compounds were noted.

over

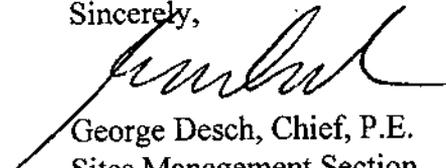
- No unacceptable risk to human health and the environment is present due to any residual contamination remaining in the ground from the removed USTs.

Based on the above, the SMS is assigning this site a Site Management Activity Completed (SMAC) designation. This SMAC designation does not release the Vermont AOT 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 1997 UST removal.

If the monitoring wells are no longer used or maintained, then they must be properly closed to eliminate a possible conduit 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. An acceptable cost estimate was submitted by LAG for the monitor well closure.

Please feel free to call with any questions.

Sincerely,



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

CC: Chester Selectboard  
Chester Health Officer  
DEC Regional Office  
Mike Keeley  
Jason Barnard, Lincoln Applied Geology