



# 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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September 5, 1997

HARLEY MUZZY  
MUZZY'S SUNOCO  
RD#2 BOX 2021  
VERGENNES VERMONT 05491

RE: Site Management Activity Completed, Muzzy's Sunoco, Vergennes, Vermont (Site #95-1871)

Dear Mr. Muzzy:

The Vermont Department of Environmental Conservation, Sites Management Section (SMS) has reviewed a trip report from Marc Coleman of the Management and Prevention Section (M&PS) dated August 28, 1997, in which a recommendation was made for giving the site a SMAC (Site Management Activity Completed) designation. At this site, petroleum contaminated soils were discovered and excavated between April 25 and 26, 1995, while replacing one (1) diesel, and two (2) gasoline, underground storage tanks (USTs). Following the removal of all original backfill material, soils remaining in the pit did not contain any volatile organic compound concentrations exceeding four (4) parts per million (ppm), as measured by a photoionization detector (PID). Native soils remaining in the tank pit were predominantly clay. A total of approximately 275 cubic yards of soil exhibiting PID readings above 20 ppm was stockpiled and polyencapsulated at the site. A total of 100 cubic yards of soil with PID readings below 20 ppm was backfilled into the tank pit. Neither free product nor groundwater was encountered during the UST removal assessment. According to Kent S. Koptiuch, Inc., there are no public or private drinking water wells within a 0.5 mile radius of the site. No other potential sensitive receptors near the site were identified. On July 29, 1997, the M&PS screened 12 soil samples from the soil stockpile with a PID. All samples contained no detectable VOC concentrations. The SMS has approved of either using the soils as backfill following the removal of the remaining USTs, or thin spreading the soils on-site. Please note, if any soils are to be transported off-site, the SMS must first approve of this action.

Based on the current conditions at this site, the SMS has determined that this site is now eligible for a SMAC designation. This means that the SMS has determined the following:

- the three older UST systems have been replaced, and are no longer a continuing source of petroleum contamination at this site;
- groundwater was not likely affected by the release, as any existing groundwater was located at depths below the excavated contaminated soil;
- approximately 275 cubic yards of petroleum contaminated soil was removed and successfully treated using the polyencapsulation treatment option;

(over)

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- any residual soil contamination is limited to the immediate vicinity of the former UST area and will be naturally attenuated over time; and
- any residual contamination does not pose an unacceptable risk to human health or the environment.

Based on the above, it appears that petroleum contamination was confined to the former UST locations and 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 Harley Muzzy of any past or future liability associated with the petroleum contamination remaining in the ground from the removed UST. It does, however, mean that the SMS is not requesting any additional work at this time. If you have any questions or comments, please feel free to contact either Matt Moran or me at (802)-241-3888.

Sincerely,



George Desch, Chief  
Sites Management Section

cc: Ferrisburg Selectboard  
Ferrisburg Health Officer  
DEC Regional Office  
Kent Koptiuch, KSK GeoS

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