



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 Office
Waterbury, VT 05671-0404
Tel: (802) 241-3888
Fax: (802) 241-3296

March 17, 1997

PAUL HUGHES
TOWN OF LUDLOW
P.O. DRAWER B
LUDLOW, VT 05149

RE: Site Management Activity Complete designation
Ludlow Town Garage, West Hill Road, Ludlow, VT
SMS Site #96-2092

Dear Paul Hughes:

The Sites Management Section (SMS) has received the *Initial Site Investigation* (report) for the above referenced site submitted by Bruce Cox of Dufresne-Henry, Inc. on February 24, 1997. This report was prepared in response to the SMS request to investigate contamination detected during the removal of two separate underground storage tanks (USTs) September 26, 1996.

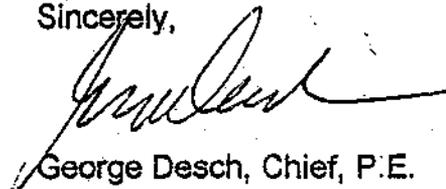
With the information presented in the report, the SMS can now make the following conclusions:

- One 5,000 gallon gasoline and one 1,000 gallon diesel underground storage tank (UST), located in separate areas of above referred site, were removed from the ground on September 26, 1996.
- Soils surrounding the USTs were contaminated with petroleum compounds ranging from 0.0 to 258 part per million (ppm) at the gasoline UST and 0.0 to 152 ppm at the diesel UST as measured by a photoionization device. A sample at the bottom of the gasoline UST excavation had a reading of 98 ppm and a sample at the bottom of the diesel UST excavation had a reading of 66 ppm.

- On January 30 and 31, 1997 soil borings were advanced near the former UST locations. The first boring was within 5 feet of the south eastern corner of the former gasoline UST location. The boring was completed to a depth of 22.5 feet. A peak volatile organic compound (VOC) concentration of 3.4 ppm was recorded at 15 to 17 feet below grade. Loss of equipment in the borehole prevented additional soils from being retrieved and required abandonment of the boring. A second boring was completed approximately 20 east of the former gasoline UST. This boring was terminated at 31.0 feet below grade with no PID responses recorded from soils screened throughout the boring. A soil sample obtained at the borehole terminus contained no detectable petroleum compounds above analytical detection limits. One boring was advanced within undisturbed soil as near to the former diesel UST location as possible. The boring was terminated at 25 feet below grade with no PID responses recorded from soils screened throughout the boring. A soil sample collected at the borehole terminus contained no detectable petroleum compounds above analytical detection limits.
- The residential and business area of the site is served by municipal water or other private water systems. Information provided by the report indicates that these systems are not at risk of being affected by contamination at this site. The nearest surface waters are Jewell Brook and the Black River, each approximately 1,000 feet from the site.
- 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 information, the SMS has assigned this site a Site Management Activity Completed (SMAC) designation. The SMS designation does not release the Town of Ludlow of any past or future liability associated with the petroleum contamination on-site. It does, however, mean that the SMS is not requesting any additional work in response to the September 26, 1996 5,000 gallon gasoline UST and 1,000 gallon diesel UST removals.

Sincerely,



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

cc: Ludlow Selectboard
DEC Regional Office
Bruce Cox, Dufresne-Henry, Inc.