



## State of Vermont

Department of Fish and Wildlife  
Department of Forests, Parks, and Recreation  
Department of Environmental Conservation  
State Geologist  
RELAY SERVICES 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, Vermont 05671-0404  
(802) 241-3888  
FAX (802) 241-3296

June 12, 2006

Alan Shelvey, City Engineer  
City of Rutland, Department of Public Works  
PO Box 969  
52 Washington St.  
Rutland, VT 05702

RE: Site Management Activities Completed (SMAC)  
Site: Rutland City Hall, Rutland, VT (SMS Site #90-0563 and 2003-3169)

Dear Mr. Clifford:

The Sites Management Section (SMS) has received the Initial Site Investigation Report for the above referenced property, which was submitted by Stone Environmental and dated March 7, 2006. Additional investigation was required by the SMS following the discovery of contamination during two underground storage tank (UST) removal events, which occurred in 1990 and 2003. After review of the site file for this property, the SMS has made the following conclusions:

- On August 15, 1990, an 8,000-gallon gasoline UST was removed from the property. Soils screened in this vicinity for volatile organic compounds (VOCs) had photoionization detector (PID) readings up to 50 parts per million (ppm). Free petroleum product was observed in the tank grave. The full extent of contamination was not defined. A groundwater monitoring well was installed in the tank grave.
- On August 28, 1990, the SMS collected a water sample from the monitoring well installed in the tank grave. The results showed levels of MTBE and benzene in at levels exceeding the Vermont Groundwater Enforcement Standards (VGES). Total petroleum hydrocarbons (TPHs) were detected a level of 4,040 ppm.
- On July 15, 1992, the SMS requested that the City of Rutland conduct an additional round of groundwater monitoring at the property. This request was reiterated in a letter dated August 13, 1992.
- On November 6, 2003, one 8,000-gallon #2 fuel oil UST and one 1,000-gallon #2 fuel oil UST were removed from the site. PID readings as high as 60 ppm were detected near the 8,000-gallon tank. No free phase product or groundwater was encountered in either of the tank excavations, which extended to a depth of up to 10 feet below grade.
- On December 19, 2003, the SMS sent a letter to the City of Rutland requesting that they take additional steps to monitor contamination related to the USTs removed in November, 2003.
- On February 24, 2005, the SMS sent another letter to the City of Rutland which requested additional action in relation to the contamination at the property. A work plan was submitted for the investigation in October of 2005.

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- On January 11, 2006, Stone Environmental conducted additional investigation work at the property to further define the extent of contamination. Two soil borings were advanced directly in the two tank excavation areas. No groundwater was encountered in either SB-1 or SB-2, which extended to depths of 17.6 feet and 23.6 feet respectively. Soils screened for VOCs using a PID in SB-1 had readings up to 5.9 ppm at a depth of 6 feet. PID readings decreased with depth. PID readings in SB-2 were all 0 ppm.
- Confirmatory soil samples were collected from SB-1 due to the elevated PID readings and analyzed for VOCs using EPA Method 8260 and TPHs using EPA Method 8015 DRO. Soils sampled at a depth of 6 feet below grade had a TPH concentration of 639 ppm a detection of several VOCs. No VOCs approached the Vermont (EPA Region IX Standards) for soils. A sample collected at a depth of 10 feet below grade had no detection of any specific petroleum compounds, and a TPH reading of 46.6 ppm, which is well below the residential standard of 200 ppm.
- Potential sensitive receptors in the vicinity of the former tank include indoor air, soils and groundwater. It appears that most of the contamination at the site has naturally attenuated over time, and is limited in extent. Groundwater was not encountered during the tank excavation in 2003 or during the recent investigations, which indicates that groundwater sampled in 1990 was likely perched in the tight soils beneath the tank. The absence of groundwater limits the threat of contaminant migration from the property. Very minor PID readings were recorded in the basement of City Hall, which the consultant attributed to high humidity, not petroleum vapors. A water sample collected from the basement sump showed no detection of any petroleum related compounds above the minimum detection limits. The City Hall and surrounding properties are served by municipal water and sewer.
- The SMS has received verification that a notice to the land record was properly filed for this site. This notice describes the residual contamination that remains at the property from the former USTs. This document is available in the *City of Rutland Land Records, Book 525, Page 85*.
- No unacceptable risk to human health or the environment is believed to be present due to any residual contamination remaining at the site from the 8,000-gallon gasoline UST removed in 1990 or the 8,000-gallon and 1,000-gallon fuel oil USTs removed in 2003.

Based on the above, the SMS is assigning the two Rutland City Hall sites a Site Management Activity Completed (SMAC) designation. Both SMS Site #90-0563 and Site #2003-3169 will be removed from the Active Hazardous Sites List. The SMAC designation will not release the City of Rutland from any past or future liability associated with the petroleum contamination at the site. It does, however, mean that the SMS is not requesting any additional work in response to the contamination discovered at the property in August of 1990 or November of 2003.

If you have any questions regarding this property, please call the site manager, Ashley Desmond, at (802) 241-3731, or myself at (802) 241-3491.

Sincerely,



George Desch, Chief  
Sites Management Section

C: Rutland City Council  
Rutland Health Officer  
DEC Regional Office – Rutland (submitted via e-mail)  
Daniel Voison, Stone Environmental (submitted via e-mail)