



## State of Vermont

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Department of Fish and Wildlife  
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Department of Environmental Conservation  
State Geologist  
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AGENCY OF NATURAL RESOURCES  
**Department of Environmental Conservation**  
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April 5, 2004

Mr. Jay Jewitt  
Town of Plainfield  
Plainfield WWTF  
P.O. Box 217  
Plainfield, VT 05667

RE: Site Management Activities Completed at the Plainfield Waste Water Treatment Facility,  
Plainfield, Vermont  
(SMS Site # 98-2376)

Dear Mr. Jewitt:

The Sites Management Section (SMS) has completed a file review, for the above referenced site, referencing the contamination discovered during the removal of one (1) 500 gallon No. 2 fuel oil underground storage tank (UST) at the Plainfield Waste Water Treatment Facility, Plainfield, Vermont. With this information the SMS can make the following determination:

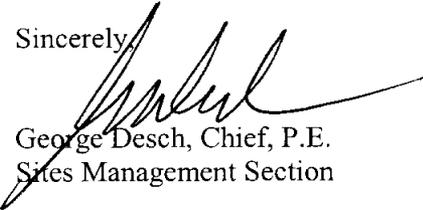
- On April 20, 1998, petroleum contaminated soils (PCS) were discovered during the removal of one (1) 500gallon No. 2 fuel oil UST, at the Plainfield Waste Water Treatment Facility, Plainfield, Vermont. Since groundwater and fuel oil contamination were encountered, the UST excavation was backfilled.
- The UST was reported to be in poor condition with pitting and numerous small holes. Saturated soils from beneath the former UST had volatile organic compound (VOC) concentrations that ranged up to 58.0 parts per million (ppm), as measured by photoionization detector (PID). Groundwater with a slight sheen was encountered at a depth of approximately 5.0 feet.
- On April 22, 1998, seven hand augered soil borings were advanced in the area of the former UST. Soil samples were screened at six inch interval with a PID. A peak PID reading of 16 ppm was measured in the saturated sandy soils at a depth if approximately 5.0 to 6.0 feet in SB-1. One composite soil sample was collected from SB-1 for laboratory analysis. The soil sample was analyzed for benzene, toluene, ethylbenzene and xylene compounds (BTEX) via EPA Method 8260B and total petroleum hydrocarbons (TPH) via EPA Method 8100. Ethylbenzene and xylenes were quantified above the detection limit of 0.01 mg/kg.
- Temporary monitoring wells were installed in SB-1, SB-4 and SB-5 to obtain water samples for laboratory analysis. Quantifiable BTEX levels were detected in the water sample from SB-1. All concentrations of contaminants found in SB-1 were below the State of Vermont Ground Water Enforcement Standards (VGES).

- Despite evidence of soil contamination within the area of the former UST, stratified layers of platy silt and sand encountered in the soil borings may have served as a barrier to vertical migration of the contamination.
- In a November 2, 2001 letter, the SMS requested that the on-site monitoring wells be properly closed, or that an SMS approved well maintenance/closure plan be in place prior to closing the site.
- In a November 14, 2001, Stone Environmental informed the SMS that Mr. Jewitt, the facility operator, intended to leave one monitoring well open in order to monitor the water table.
- In a letters dated November 15, 2001 and October 22, 2003, the SMS repeated its request for a well maintenance/closure plan as a condition to closing the site.
- In a letter dated March 25, 2004, Mr. Jewitt informed the SMS that remaining monitoring well on-site had be closed in November of 2001.
- No unacceptable risk to human health and the environment is present due the residual contamination remaining in the ground from the contaminated soils encountered during the removal of one (1) 500gallon No. 2 fuel oil UST, at the Plainfield Waste Water Treatment Facility, in April of 1998.

Based on the above, the SMS is assigning this site a Site Management Activity Completed (SMAC) designation. This SMAC designation will not release Town of Plainfield from any past or future liability associated with the petroleum contamination at the site. It does, however, mean the SMS is not requesting any additional subsurface work in response to the UST removal at the Plainfield Waste Water Treatment Facility, in April of 1998.

Please feel free to call with any questions. I can be reached at (802) 241-3491.

Sincerely,



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

Cc: Dec Regional Office  
Daniel Voisin, Stone Environmental, Inc.