

**State of Vermont  
Department of Environmental Conservation  
Waste Management Division  
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September 7, 2010

DENISON AMIDON  
349 CLIFF ST.  
ST JOHNSBURY, VT 05819-1056

**RE: Site Management Activities Complete (SMAC)  
Site: Menut and Parks, 50 St. Mary's Street, St. Johnsbury, VT (SMS Site #2008-3751)**

Dear Denison:

The Sites Management Section (SMS) has reviewed the July 1, 2010 Environmental Compliance Services (ECS) report titled "*Request for Site Closure*". The SMS has also reviewed information contained in the site file. With this information, the SMS can now make the following conclusions:

- On November 26, 2007 one 1,000-gallon gasoline underground storage tank (UST) was removed from the Menut and Park's property, located at 50 St. Mary's Street.
- This UST was noted to be in poor condition when removed, with rusting and pitting evident along the exterior in addition to a 1/4" hole identified at the south end of the tank. The age of this tank was not noted. Soils screened for petroleum vapors using a photoionization detector (PID) peaked at 651 parts per million (ppm). Contamination was identified in the base of the excavation, which extended to a depth of 6 feet below grade. Groundwater at the site was not encountered.
- As part of the site investigation activities, the SMS requested that a sufficient number of monitoring wells be installed at the property in order to adequately define the degree and extent of contamination in soils and groundwater related to the leaking UST. On June 30, 2008, ECS advanced four soil borings that were completed as groundwater monitoring wells. Samples collected from the monitoring wells were analyzed using both EPA Methods 8015 DRO and 8260. Concentrations of trimethylbenzenes and naphthalene, measuring above the Vermont Groundwater Enforcement Standards (VGES), were detected in MW-4 at levels of 2,326 and 465 parts per billion (ppb), respectfully. Other contaminants of concern in the remaining wells were also detected, but at levels below the VGES.
- Based on the finding generated from the initial site investigation, the SMS requested that a follow up sampling round be conducted to monitor levels and identify any trends in contamination levels. On November 6, 2008, ECS returned to the site in order to resample monitoring wells. Water samples were analyzed via EPA Methods 8015 GRO and 8260. MW-4 showed significant decreasing contamination trends of 2,326 to 507 ppb trimethylbenzene and 465 to 82.4 ppb naphthalene.



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- On June 3, 2009, ECS conducted a third round of groundwater sampling per request of the SMS. Samples collected in this last round continued to show decreasing levels of contamination in all wells. MW-4 again was the only monitoring well to exhibit an exceedance of VGES. Trimethylbenzenes dropped below VGES standard of 350 ppb to 144ppb and naphthelene dropped from a previous level of 82.4 to 30.8 ppb, slightly above the 20 ppb standard.
- Potential sensitive receptors at this site included groundwater, and indoor air. All drinking water used on the property is provided by the municipal water utility. Indoor air was screened by PID, but did not exhibit any indications of vapor intrusion. The Passumpsic River, while located 150 feet down-gradient, is not considered to be at risk due to the observed size of the contaminant plume and decreasing concentration of contaminants in the surficial groundwater aquifer. Groundwater is the only known affected receptor.
- Based on decreasing levels of contamination and the lack of significant risk to sensitive receptors, the SMS approved monitor well closure. All monitoring wells were closed on March 17, 2010 by ECS.

Based on the above information, the SMS is assigning this site a Site Management Activity Completed (SMAC) designation. This SMAC designation does not release the owner 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 2007 UST removal.

Please feel free to call with any questions.

Sincerely,



Chuck Schwer  
Chief, Sites Management Section

CC: St. Johnsbury Select board  
St. Johnsbury Health Officer  
DEC Regional Office, St. Johnsbury (via electronic mail)  
Joseph Hayes (ECS) (via electronic mail)