



## State of Vermont

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Hazardous Materials Management Division  
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June 1, 1995

Mark Cappello  
Northeastern Vermont Regional Hospital, Inc.  
Hospital Drive  
St. Johnsbury, VT 05819

RE: Site Management Activity Completed at Northeastern Vermont Regional Hospital, Inc.  
(NVRH), St. Johnsbury, VT (Site #94-1681)

Dear Mr. Cappello:

The Sites Management Section (SMS) has received and reviewed the February 2, 1995 Griffin International, Inc. subsurface investigation report for the above referenced site. Based on the information in this report, the SMS has concluded the following:

- Three underground storage tanks (USTs) were removed from NVRH in September, 1994, and replaced with double-walled fiberglass USTs. One of the USTs contained #2 fuel oil and had a capacity of 3,000 gallons. The other two USTs contained #4 fuel oil and had capacities of 10,000 gallons. Soil contamination was detected at the time of the UST removal, and approximately 240 tons of petroleum contaminated soils were removed and transported to an asphalt batching facility in New Hampshire. Peak concentrations of volatile organic compounds (VOCs) detected during the tank removals were 58 parts per million (ppm) as measured by a photoionization detector (PID). Groundwater was not encountered during the tank closure activities.
- In order to investigate the contamination, three soil borings were advanced 42 feet below ground surface (bgs) in order to investigate the degree and extent of soil contamination, as well as to evaluate potential threats to groundwater. Each boring was installed in the immediate vicinity of the former USTs. Split spoon samples were screened with a PID, and soil samples were collected from the maximum depth of each boring for laboratory analysis by EPA Method 8020.
- PID screening of split spoon samples measured maximum VOC concentrations of 1.2 ppm at 15 to 17 feet bgs in soil boring, SB-1, 0.4 ppm at 10 to 12 feet bgs in SB-3, and no detectable VOC concentrations were measured during the advancement of SB-2. Groundwater was not encountered in any of the soil borings. Soil samples collected from the bottom of each boring did not contain any detectable concentrations of benzene, ethylbenzene, toluene, or xylenes; each of these compounds are aromatic hydrocarbons contained within fuel oil products.

- Griffin International, Inc. has determined that no sensitive receptors are impacted or threatened by the observed petroleum contamination at this site. Identified potential receptors include the hospital buildings and the storm drain system. Reportedly, no supply wells are located in the vicinity of the site.

- Based on the above, the SMS has determined that the petroleum contamination, associated with the USTs removed at this site, does not pose an unacceptable risk to human health or the environment. Therefore, the SMS believes that no further subsurface investigation is warranted at this site.

Based on the results of this investigation, the site has been assigned a Site Management Activity Completed (SMAC) designation. Sites which the Hazardous Materials Management Division have determined require no further management are classified as SMAC. This designation does not release NVRH from any past or future liability which may arise from the petroleum contamination which originated from the leaking underground storage tank system at the NVRH site. It does mean that the SMS is not requiring that any additional work be performed at this site in response to the initial contamination measured on the property. Please feel free to contact myself or Matt Moran with any further questions or comments you may have.

Sincerely,



Chuck Schwer, Acting Chief  
Sites Management Section

cc: St. Johnsbury Selectboard  
St. Johnsbury Health Officer  
DEC Regional Office  
Peter Hack, Griffin International, Inc.