



## State of Vermont

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July 18, 2002

THOMAS GLAVIN, P.E., MANAGER  
TOWN OF DORSET  
PO BOX 715  
EAST DORSET, VERMONT 05253

RE: Site Management Activity Completed, Dorset Town Garage, SMS Site #95-1895  
East Dorset, Vermont

Dear Mr. Glavin:

The Waste Management Division (WMD) Sites Management Section (SMS) has reviewed the May 2002 report titled, "*Semiannual Groundwater Monitoring Report, Dorset Town Garage, Village Street, East Dorset, Vermont*" prepared by ATC Associates. The SMS has also reviewed information contained in the site file on the above mentioned site. With this information, the SMS can now make the following conclusions:

- During the October 1995 removal of one 2,000 gallon diesel, one 4,000 gallon diesel, and one 1,000 gallon gasoline underground storage tank (UST), free product petroleum, soil staining, petroleum odors, and numerous holes in the USTs were observed. Volatile organic compound (VOC) concentrations in the soils at the USTs ranged up to 200 parts per million (ppm) as measured by a photoionization detector (PID). Groundwater was encountered at a depth of 5'. Contaminated soils were backfilled. Additional investigation was required by the SMS.
- On January 25, 1996, four groundwater monitor wells were installed in order to evaluate potential contamination related to the USTs. 2-3 feet of sand, gravel, and marble chip fill were encountered. Subsurface soil of sand with organic matter was observed to the maximum well depth of 12' below the ground surface. The site borders a marsh and was filled when it was developed. Petroleum odors and PID readings up to 138 ppm were noted in soil samples from MW-2, down gradient of the UST location. Petroleum odors and PID readings up to 65 ppm were noted in soil samples from MW-4, in the former UST pit. No above background PID readings were noted at MW-1 and -3.
- Between January 1996 and April 2002 the four monitor wells were sampled fifteen times for VOCs. MW-1 and -3 have had occasional concentrations of petroleum products below the

over

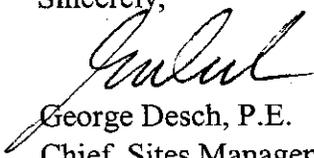
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Vermont Groundwater Enforcement Standards (VGES). MW-4 contained somewhat higher contaminant concentrations however, since April 1999 no VGES exceedences have been recorded. MW-2 also has low levels of petroleum contamination. Particularly in the fall, during times of low groundwater levels, concentrations of 1,2,4- and 1,3,5-trimethylbenzene exceed the VGES.

- The site borders a tributary to the north of the Batten Kill River, although groundwater flow direction is toward the west onto a railroad right of way and marsh. The area is served by municipal water. The site buildings have no basements. At one time non-potable water was drawn from a shallow dug well, however four samples in 1996 and 1997 showed no detectable contamination. No other at-risk sensitive receptors were identified. The contaminated groundwater plume was shown to be limited to the immediate UST location.
- The four groundwater monitoring wells were properly closed to eliminate possible conduits for contaminant migration into the subsurface. This closure involved removal of the protective well cover, removing the casing, and filling the wells with cement grout to prevent fluid migration in the borehole.
- A Notice to Land Records has been recorded on July 17, 2002 (Book # 120) at the Dorset town offices regarding the residual contamination on-site.

Based on the above, the SMS is assigning this site a Site Management Activity Completed (SMAC) designation. This SMAC designation does not release the Town of Dorset, 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 1995 UST removal. Please feel free to call with any questions.

Sincerely,



George Desch, P.E.

Chief, Sites Management Section

CC: Dorset Selectboard  
Dorset Health Officer  
DEC Regional Office  
Mark Fuller, ATC Associates