



State of Vermont

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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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June 30, 1998

Mr. Tom Soucy
518 Spencer Hollow Road
Springfield, Vermont 05156

RE: Site Management Activity Completed, Former Soucy Motors
North Springfield, Vermont (Site #97-2210)

Dear Mr. Soucy:

The Vermont Department of Environmental Conservation, Sites Management Section (SMS) has reviewed the Dufresne-Henry, Inc. (DH) report dated October 29, 1997. Based on the information provided by DH, it is SMS's opinion that the above referenced site qualifies for a Site Management Activity Completed (SMAC) designation. As such, the site has been removed from the *Vermont Hazardous Sites List*.

On June 19, 1997 four gasoline underground storage tanks (UST) were excavated and removed from the site. The USTs were located adjacent to each other approximately 100 feet south of the site building. Two of the USTs had failed and the other two were listed in fair condition. Water had accumulated in all four USTs. During the site activities, soils screened had concentrations exceeding 2500 parts per million (ppm) as measured by a photoionization detector (PID). All soils were used as backfill. Groundwater was encountered at 8.5 feet below ground surface.

The UST closure assessment report indicated that the vicinity of the site was inspected for potentially sensitive receptors. The receptors include the Black River located 100 feet from the site and two municipal water supply well fields. The Springfield water supply well field is located on the opposite side of the river approximately 800 feet from the site. The Gilchrist Meadow system is located 1900 feet from the site on the opposite side of the river. The is located in the Aquifer Protection Area (APA) of the Springfield Water Supply Well Field.

In response to this discover, DH conducted a Preliminary Site Investigation under the Expressway Program. The investigation consisted of the installation of two borings and monitoring wells, sampling and analyses of the two monitoring wells, sampling and analysis of one previously installed monitoring well (installed 2/97 during Phase II Site Investigation), water quality data from the Phase II Site Investigation, a review of potentially sensitive receptors, and the report.

The results of the groundwater sampling indicated that BTEX and MTBE were present in the three monitoring wells. The highest concentrations were detected in monitoring well DH-1 located adjacent to the former UST locations. DH-1 contained benzene at 1 part per billion (ppb), ethylbenzene at 2 ppb, toluene at 14 ppb, and total xylenes at 36 ppb. All concentrations detected are below the Vermont Groundwater Enforcement Standards (VGES).

The report indicates that all properties in the vicinity are serviced by municipal water. No site or nearby buildings have basements and no other listed sites are likely to affect the subject property. The municipal

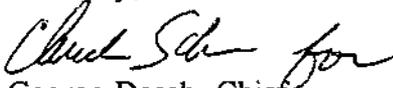
Mr. Tom Soucy
518 Spencer Hollow Road
Page 2

water supplies are located across the Black River and are sampled annually for volatile organic compounds. According to the report, no analytical results of concern have been disclosed.

Based on these findings, DH recommended the site be issued a SMAC designation.

Based on the above, it appears that petroleum contamination was confined to the former UST location and has been attenuated due to source removal. As such, it is SMS opinion that the release does not pose an unreasonable risk to human health and safety or the environment. Therefore, the SMS is assigning this site a Site Management Activity Completed (SMAC) designation. This SMAC designation does not release site owners of any past or future liability associated with the petroleum contamination remaining in the ground from the removed UST. It does, however, mean that the SMS is not requesting any additional work at this time. If the monitoring wells are no longer used or maintained, then they must be properly closed to eliminate a possible conduit for contaminant migration into the subsurface. This closure typically involves filling the wells with a grout material to prevent fluid migration in the borehole. Specific requirements for well closure are outlined in Section 12.3.5 in Appendix A of the Vermont Water Supply Rule-Chapter 21. If you have any questions or comments, please feel free to contact either me or Bob Butler at (802)-241-3888.

Sincerely,


George Desch, Chief
Sites Management Section

cc: North Springfield Springs Selectboard
North Springfield Springs Health Officer
DEC Regional Office
Mr. David Deane, Dufresne-Henry, Inc.

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