



State of Vermont

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November 9, 2000

WARREN GARFIELD
LOVEJOY TOOL COMPANY
133 MAIN STREET
SPRINGFIELD, VERMONT 05156

RE: Site Management Activity Completed, Lovejoy Tool, SMS Site #97-2315
Springfield, Vermont

Dear Mr. Garfield:

The Sites Management Section (SMS) has reviewed the October 26, 2000 report titled, "*Site Investigation Report for the Lovejoy Tool Company, Inc., Springfield, Vermont*" prepared by Stone Environmental Inc. for work conducted in June 1998 at the above referenced site. The SMS has also reviewed information contained in the site file. With this information, the SMS can now make the following conclusions:

- On July 14, 1997 one 10,000 gallon #4 fuel oil UST was removed from the Lovejoy Tool Company at 133 Main Street in Springfield. On November 26 one 1,000 gallon #2 fuel oil UST was removed from the Lovejoy Tool Company. Also on November 26 one 1,000 gallon #2 fuel oil UST was removed from the adjacent Springfield Electroplating property at 135 Main Street in Springfield. All three USTs occupied the same location in the parking lot behind the building shared by the two businesses.
- During the 10,000 gallon UST removal, soils surrounding the UST were screened for volatile organic compounds (VOCs) with a photoionization detector (PID). 0 to 0.8 parts per million VOCs and faint fuel odors were noted. No evidence of gross groundwater contamination (free product or sheens) was observed on the groundwater, which was collected in the bottom of the excavation at ~12'. Two confirmatory soil samples were reported to have been collected, however the results were never received by the SMS. No additional investigation of the 10,000 gallon UST removal was required by the SMS.
- During the November 26 1,000 gallon UST removals, soils surrounding the Lovejoy Tool UST were screened for VOCs with a PID; 22 to 48 ppm VOCs were noted. Soils

over

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surrounding the adjacent Springfield Electroplating UST were screened for VOCs and 38 to 72 ppm VOCs were noted. No groundwater was observed in the common tank pit. Additional investigation of the 1,000 gallon UST removals was required by the SMS. Lovejoy Tool and Springfield Electroplating agreed to conduct the site investigation of these USTs concurrently.

- On June 12, 1998 three groundwater monitor wells were installed on site to evaluate potential contamination to the groundwater. The groundwater samples collected from the three monitoring wells were analyzed for VOCs via EPA Method 602 and total petroleum hydrocarbons (TPH) via EPA Method 8100M. No VOCs or TPH were detected in any of the monitor wells. Groundwater was shown to flow west toward the Black River, which borders the site approximately 100' from the former UST locations.
- Residual contamination in the soil associated with the UST removals was shown to be confined to the subject property. No groundwater impact was observed.
- The subject building and area are served by a municipal water supply, which is not at risk of contamination from this site. No unacceptable risk to human health and the environment is present due to any residual contamination remaining in the ground from the removed USTs.

Based on the above, the SMS is assigning this site a Site Management Activity Completed (SMAC) designation. This SMAC designation does not release the Lovejoy Tool Company, 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 1997 UST removals.

If the monitoring wells are no longer used or maintained, then they must be properly closed to eliminate possible conduits 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.

Please feel free to call with any questions.

Sincerely,



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

SMS Site #97-2315

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**CC: Shawn Snide, Springfield Electroplating
Springfield Selectboard
Springfield Health Officer
DEC Regional Office
Michael Rossi, Stone Environmental**

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