

1720

HOFFER & ASSOCIATES

CONSULTING HYDROGEOLOGISTS

RR 4, Box 2286
Montpelier, VT 05602
(802) 229 - 1113
fax: 229 - 2780

October 11, 1996

Mr. Richard Spiese
Sites Management Section
VT DEC - Waste Management Division
103 South Main Street/West Office
Waterbury, Vermont 05671-0404

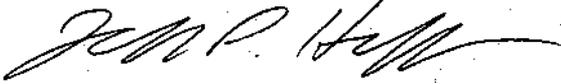
WASTE MANAGEMENT DIVISION
OCT 14 10 23 AM '96

Re: UST Site Investigation, Severy Residence, Northfield, Vermont
SMS Site #94-1720

Dear Mr. Spiese:

As a follow up to my September 11 letter, I recently screened the soil pile generated during the closure of the Severy residence heating oil UST in 1994. The stockpile is located at a gravel pit operated by the Town of Northfield. The soil stockpile was screened again on October 8 with a photoionization detector (PID) to monitor for the presence of volatile organic compounds. Six soil samples were collected from six locations in the pile, from a depth of about one foot below the top of the 15 cubic yard pile. Samples were placed into plastic ziplock bags, and the headspace was monitored with a Photovac MicroTIP HL-2000¹. Four of the headspace readings registered 0.2 ppm, and the remaining two samples registered 0.1 ppm. In addition, there were no visual or olfactory indications of contamination.

Based on these PID readings, we would like to thin spread the 15 cubic yards at the gravel pit. The site meets the set back criteria for off-site soil treatment. Please let us know if this is acceptable and what additional efforts will be needed.

Sincerely,
HOFFER & ASSOCIATES


Jefferson P. Hoffer, P.G.
Principal Hydrogeologist

cc: William C. Lyon, Northfield Superintendent of Public Works

¹ Immediately prior to its use, the PID (10.6 eV lamp) was calibrated with isobutylene and set to respond to benzene.



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WASTE MANAGEMENT
DIVISION

September 11, 1996

Mr. Richard Spiese
Sites Management Section
VT DEC - Waste Management Division
103 South Main Street/West Office
Waterbury, Vermont 05671-0404

Re: UST Site Investigation, Severy Residence, Northfield, Vermont
SMS Site #94-1720

Dear Mr. Spiese:

As per your letter dated April 4, 1996, we recently monitored the soil stockpile associated with the Severy fuel-oil UST closure. The stockpile is located at a gravel pit operated by the Town of Northfield. The soil stockpile was screened on September 10 with a photoionization detector (PID) to monitor for the presence of volatile organic compounds. Six soil samples were collected from six locations in the pile, from a depth of about one foot below the top of the 15 cubic yard pile. Samples were placed into plastic ziplock bags, and the headspace was monitored with a Photovac 2020¹. PID readings for the six samples were: 0.0, 0.0, 0.0, 0.4, 0.4, and 2.6 ppm (mean = 0.6 ppm). There were no visual or olfactory evidence of contamination.

We will continue to monitor the stockpile on a periodic basis until vapor concentrations are less than 1 ppm. If you have any questions, please give us a call.

Sincerely,
HOFFER & ASSOCIATES

Jefferson P. Hoffer, P.G.
Principal Hydrogeologist

cc: William C. Lyon, Northfield Superintendent of Public Works

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GROUNDWATER & ENVIRONMENTAL SERVICES