



State of Vermont

Department of Fish and Wildlife
Department of Forests, Parks, and Recreation
Department of Environmental Conservation
State Geologist
RELAY SERVICES FOR THE HEARING IMPAIRED
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~~Department of Environmental Conservation~~
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September 23, 2005

MARK KINSLEY
CHRISTIAN MINISTRIES, INC.
140 MAIN STREET
ESSEX JCT., VERMONT 05452

RE: Site Management Activity Completed (SMAC), former Agway McEwing Fuels Property
SMS Site #93-1476, Essex Junction, Vermont

Dear Mr. Kinsley:

The Vermont Department of Environmental Conservation, Sites Management Section (SMS) has received the Notice to Land Records for this property and reviewed the site file. The SMS can now make the following conclusions:

- Subsurface investigative work and two sets of groundwater monitoring were conducted at this site following the discovery of a petroleum release at a former bulk fuel storage facility. This release was detected during the June 25, 1998 removal of two underground storage tanks (USTs) containing No. 2 heating oil and diesel fuel.
- Approximately 33 yd³ of petroleum contaminated soil was removed from the site, although some residual soil contamination was left in place. This soil was subsequently transported to ESMI of New Hampshire for thermal treatment.
- To define the degree and extent of soil and groundwater contamination, 10 soil borings were advanced and 6 groundwater monitoring wells were installed. Five of the borings in and close to the former UST pits showed some residual soil contamination as evidenced by elevated volatile organic compound levels measured by photoionization detector.
- During the October 1998 groundwater sampling, xylene and ethylbenzene were observed in MW-2 and -3, installed in the former UST locations. These levels were below the Vermont Groundwater Enforcement Standards (VGES). Total petroleum hydrocarbon levels were measured at 7.25 and 6.78 mg/L in these 2 wells.
- During the December 9, 1998 sampling round, no contaminants were observed in MW-3 and low levels of 1,2,4-trimethylbenzene, sec-butylbenzene and p-isopropyltoluene was observed in MW-2.

over

MW-9 a monitor well down gradient of the tanks contained 1,2,4-trimethylbenzene 8.6 µg/L, which is above the VGES of 5 µg/L. Samples from two wells on the down-gradient property boundary did not detect any contaminants.

- The site is located in a commercial area of Essex Junction and served by municipal water. The property has been redeveloped as a school. The sensitive receptor survey indicates that the release neither threatens human health nor the environment.

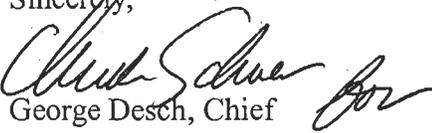
Based on the current conditions at this site, the SMS has determined that this site is now eligible for a SMAC designation. This means that the SMS has determined the following:

1. The 2 USTs have been removed from the ground, and are no longer a continuing source of petroleum contamination at this site;
2. 50 tons of petroleum contaminated soil was excavated and thermally treated at ESMI in New Hampshire;
3. Residual soil and groundwater contamination is limited to the vicinity of the former UST area and will be naturally attenuated over time;
4. A Notice to Land Records was recorded (Book #664 and Page #354) at the Essex Junction town offices on September 12, 2005 regarding the residual contamination on-site;
5. On September 12, 2005 ECS personnel attempted to close the site monitor wells. One groundwater monitor well was located. It was found to be completely filled in with soil. None of the other monitor wells could be found and are assumed to have been destroyed; and
6. Any residual contamination does not pose an unacceptable risk to human health or the environment.

Therefore, the SMS is assigning this site a Site Management Activity Completed (SMAC) designation. This SMAC designation does not release Christian Ministries, Inc. of any past or future liability associated with the petroleum contamination remaining in the ground from the removed USTs. It does, however, mean that the SMS is not requesting any additional work at this time with regards to the removed USTs.

If you have any questions or comments, please feel free to contact me at (802)-241-3888.

Sincerely,


George Desch, Chief
Sites Management Section

CC: Garry Schoolcraft, Schoolcraft Associates
Vince Paradis
Essex Junction Selectboard
Essex Junction Health Officer
Joe Hayes, Environmental Compliance Services (via electronic mail) ✓
DEC Regional Office (via electronic mail) ✓

