



State of Vermont

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July 23, 2001

SCOTT MCCULLOUGH
MCCOLLOUGH CRUSHING
RD #3 BOX 800
MONTPELIER, VERMONT 05602

RE: Site Management Activity Completed, McCullough Crushing, SMS Site #91-1161
Middlesex, Vermont

Dear Mr. McCullough:

The Sites Management Section (SMS) has reviewed the May 17, 2001 letter report titled, "*Summary Report for the McCullough Crushing Site in Middlesex, Vermont*" prepared by Stone Environmental for work conducted 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:

- During the October 31, 1991 removal of one 3,600 gallon gasoline underground storage tank (UST) contaminated soil and sheens on the groundwater in the tank pit were observed. In July 1992 a test pit was excavated down gradient, soil samples were screened via photoionization detector (PID), and no evidence of contamination was found. One temporary monitor well was installed in the test pit and a water sample analyzed via EPA Method 602 found no groundwater contamination. Approximately 30 yds³ of contaminated soil were stockpiled and later disposed of via thin spreading after soil testing indicated that the contamination had degraded. On April 14, 1994 the site was closed.
- During the September 1, 1994 removal of one 1,000 gallon gasoline and one 1,000 gallon diesel UST contamination was again observed. Approximately 20 yds³ of contaminated soil were stockpiled and then disposed of via thin spreading after soil testing indicated that the contamination had degraded. On February 19, 1998 the site was closed.
- During the August 28, 1998 removal of one 10,000 gallon diesel UST contamination was again observed. This contamination was reported to be limited to the area around the fuel pump. All soil was excavated until the limits of contamination as measured by a PID were found. No

over

confirmatory samples were taken for lab analysis. Approximately 18 yds³ of contaminated soil were stockpiled.

- In September 1998 approximately 9 yds³ of contaminated soils, resulting from a diesel spill at the Lague quarry in Berlin, were added to this stockpile with the permission of the Waste Management Division (WMD).
- On November 23, 1998 a soil sample was taken from a location on the bank below the UST (this location had been approved by the SMS). A water sample was taken from a groundwater seep at this location. Samples were analyzed for volatile organic compounds (VOCs) via EPA 8021B and total petroleum hydrocarbons (TPH) via EPA 8100. No VOCs or TPH was found in the water sample. No VOCs were found in the soil sample. TPH was found at 25.3 mg/kg.
- On September 10, 1999 two soil samples were taken from the soil stockpile and analyzed for VOCs and TPH. No VOCs were found in the samples. TPH was found at 323 and 129 mg/kg. Verbal permission was given by the SMS to dispose of these soils via on site thin spreading.
- The Great Brook, approximately 200 yds away, was the only potential environmental receptor identified. The risk to this is minimal due to the low level of contamination found.
- The site building is of slab on grade construction and not at risk of soil vapor infiltration. The building is served by a water supply well approximately 60' from the UST location. This water supply well was sampled on July 9, 2001 via EPA Method 8021B for VOCs. No detectable contamination was found. 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 McCollough Crushing, Inc., 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 8/28/98 removal of the 10,000 gallon diesel UST.

As previously approved in a 9/21/99 telephone conversation, between John Amadon, Stone Environmental, and Chuck Schwer, Supervisor SMS, the 27 yds³ soil stockpile may be disposed of via thin spreading on site.

Please feel free to call with any questions.

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Sincerely,



George Desch, P.E.

Chief, Sites Management Section

CC: Middlesex Selectboard
Middlesex Health Officer
DEC Regional Office