CORRESPONDENCE/MEMORANDUM

State of Wisconsin
Department of Natural Resources
Bureau of Solid & Hazardous Waste Management

DATE: October 6, 1993 FILE REF: 246004330
Ozaukee
TO: Jill Fermanich - SW/3 HW/LIC

FROM: Tim Mulholland - SW/3

SUBJECT: Review of Cook Composites and Polymers' "Results of Soil Vapor Extraction Pilot-Scale Test"

In reviewing the above-mentioned report, I have found it to be generally acceptable.

However, the following questions have arisen:

1) What is the "historical" ground-water level in the vicinity of the former hazardous waste incinerator? CCP would like to put off any additional SVE testing and design until the water table is closer to "historical levels." However, there is no quantitative definition of "historical levels" in this report. CCP found the water table at about five to six feet below ground surface (bgs) during the pilot test, but expects that the historical level is closer to ten feet bgs. While this sounds familiar, I would like your confirmation.

2) Regarding the high water table, have there been higher than usual extraction rates from the Ranney collectors? Since the water level was elevated, then I would expect to see increased flows through this system. I also hope that the Ranney collectors will be able to dewater the area in the near future.

One question that I have for Craig is why there was no apparent vapor-phase benzene analysis for SVE-1 (please refer to Appendix F).

I believe that it is reasonable to wait until the water table falls before additional SVE testing and design is performed. However, I'd like CCP to better define what the "historical" water level is in the vicinity of the incinerator, as well as discuss when they anticipate that they would perform the next pilot test if the water level falls in the near future. That is, if the water level is down to acceptable levels now or by the end of the year, would CCP wait until next spring to perform the next pilot test, or would they perform it immediately?

cc: E. Lynch - SW/3

TSM\20\CCP\SVEPILOT.REV