

DWS
File 4840

MATT PETROLEUM SITE
Leland Avenue
City of Utica, Oneida County, New York
DEC Site No. B00192-6

PROJECT UPDATE

February 14, 2006

Ongoing Activities

- Treatability study samples for sodium persulfate and bio-treatability studies collected January 3, 2006. Soil samples from five locations in the AOC and five locations in the Zone of Gross Contamination, two groundwater samples composited from MW-1 and MW-16, and a free product sample from MW-4 were collected.
- Soil, groundwater and free product samples were shipped to three independent laboratories for treatability analysis.
 - Microbe Inotech Laboratories, Inc. (MIL) in St. Louis, Missouri for a modified biological “box” study which cultures soil bacteria then selects strains for isolation and further testing against solute “endpoints” of gasoline, No. 2 oil, No. 6 oil and site free product to determine biodegradability potential of native microbes. The MIL study timeframe is approximately four weeks. A preliminary report has been received and technical comments sent back February 3, 2006. No reply has been received. Preliminary results were negative.
 - Quantum Consulting Services, Inc. (QCS) in East Brunswick, New Jersey for natural biological and enhanced biological kettle study of aerobic biodegradation potential and rate. The QCS study timeframe is seven weeks. The study required some set-up and is expected to conclude the week of March 27th. There are periodic analytical data for VOCs and SVOC after weeks two, five and seven. No preliminary data has yet been received for this study. At the time of this update, we are concluding week five in this study. The report is anticipated three to four weeks after study conclusion (two weeks to receive and review final analytical and one to two weeks to finalize report). This report is expected from QCS late March/early April.

- KCH Environmental, Inc. (KCH) in Wilmington, CT for sodium persulfate and iron catalyzed sodium persulfate chemical oxidation potential and rate evaluation. The KCH study timeframe is for issuance of the final report the week of February 20th. The soil oxidant demand and consumption rate step concluded in January and the evaluation of degradation potential and rates is currently ongoing. This step is nearing completion and this study should enter the KCH report compilation phase within the next week.

Pending Issues

- The Remedial Alternatives (RA) Report will incorporate the findings from the treatability studies into the remedial options evaluation and recommendation for site clean-up technology.
- The treatability studies are controlled laboratory studies performed under optimal conditions (temperature, oxygen, nutrient/chem-ox residuals, moisture). These laboratory results provide the upper limit of what can be achieved in the field, specifically in relation to the timeframe required to attain the cleanup goals and also in the amount of physical resources required. A field scale pilot test is anticipated for this project to provide data on the application of remedial technologies under actual site conditions. A pilot test would be applied to a very limited portion of the AOC and Zone of Gross Contamination (i.e., perhaps 10-foot by 10-foot by 8-foot deep cells). This data builds on the bench scale to prove that the technology works under real site variables and provides data to scale the pilot up to a full site-wide remedial program. It is anticipated pilot scale testing can be implemented in Summer 2006.

Activities to Complete the Remedial Investigation/Alternatives Evaluation Phase

- Implement field scale pilot test at Site.
- Finalize and submit the RA Report.
- Prepare the Proposed Remedial Action Plan (PRAP).
- Issuance of Record of Decision.