



FAVERO GEOSCIENCES

1210 South 5th Street
Springfield, IL 62703
Phone 217.522.6714
Fax 217.522.6727
dfavero@ameritech.net

October 14, 2009

Ms. Michelle Majack
U.S. Environmental Protection Agency, Region 5
Waste Management Division
77 West Jackson Blvd., DE-9J
Chicago, IL 60604-3590

RE: Third Quarter 2009 Progress Report
RCRA Corrective Action
Former GM Delco Plant 5, Kokomo, IN
USEPA ID No. IND000806844

Dear Ms. Majack:

In accordance with the Performance-Based Corrective Action Agreement between the U.S. Environmental Protection Agency Region 5 (USEPA) and Motors Liquidation Company (MLC) (formerly known as General Motors Corporation), please find the attached progress report for the third quarter of 2009 (July 1, 2009 through September 30, 2009).

Please contact me if you would like to discuss this matter further. Thank you.

Sincerely,

David M. Favero, P.G.
Project Manager

Attachment A – Third Quarter 2009 Progress Report

C: Glynda Oakes, IDEM Office of Land Quality
Howard County Health Department
Carey Stranahan, City of Kokomo
Kokomo Public Library (Public Information Repository)

ref: c:\proj\kokomo\rcracorrectiveaction\qtrlyreports\3qtr2009report1009_Kokomo_final

Ms. Michelle Majack
U.S. Environmental Protection Agency

October 14, 2009

bcc: Jim Redwine, Alix Partners on behalf of MLC (via e-mail)
Scott Haeger, Alix Partners on behalf of MLC (via e-mail)
Bob Hare, for MLC (via e-mail)
Francis Ramacciotti, ENVIRON (via e-mail)
Sarah Fisher, ARCADIS (via e-mail)

ATTACHMENT A
THIRD QUARTER 2009 PROGRESS REPORT
PERFORMANCE-BASED RCRA CORRECTIVE ACTION
FORMER GM DELCO PLANT 5, KOKOMO, IN
JULY 1, 2009 TO SEPTEMBER 30, 2009

WORK PERFORMED THIS QUARTER

- Completed Additional Groundwater Sampling and groundwater potentiometric surface study at and in the vicinity of the Facility.
- Completed a comparison of low-flow and passive diffusion bag groundwater sampling techniques.
- Continued work on the Draft RFI Report.
- Started preparation of the Environmental Indicator CA750.

DATA AVAILABLE DURING THIS QUARTER

- Groundwater monitoring data (included in the Draft RFI Report).

PROBLEMS ENCOUNTERED

- None.

SUMMARY OF PROBLEM RESOLUTION

- None.

POTENTIAL PROBLEMS

- None.

ESTIMATED PERCENT COMPLETE AND INFORMATION SUMMARY FOR
SELECTED ACTIVITIES

- DOCC 100%
Summarized available information for the Site and identified 7 Areas of Interest (AOIs), 4 of which require additional investigation. No ecological habitat identified at or in the immediate vicinity of the Site. Due May 15, 2006 and submitted October 10, 2005.
- Public Participation Plan 100%
- RFI Work Plan 100%
(Submitted December 15, 2005)
- RFI Phase I Implementation 100%
Objective was to characterize the hydrogeology, to evaluate potential off-Site groundwater impacts, and to characterize AOIs at the Site. Phase I included installation of 38 soil borings and 20 monitoring wells. Ninety-five (95) soil, 8 borehole water, and 23 groundwater samples were analyzed. Completed in October 2005.
- RFI Data Report (Phase I data) 100%
Major findings included identifying small, isolated zones with perched groundwater, two continuous saturated sand units over the investigation area with shallow groundwater flow generally to the southeast. TCE is primary chemical of concern with source areas identified in AOIs 5 and 7. TCE groundwater impacts extend off-Site but not present in borehole water samples collected approximately 800 feet from the Site. No potable water wells identified in immediate vicinity of the Site. Currently no unacceptable risks to human health have been identified. Submitted January 19, 2006.
- RFI Phase II Implementation 100%
Objective was to further characterize on- and off-Site groundwater impacts and AOIs on Site. Phase II included installation of 29 soil borings and 20 monitoring wells. Seventy-five (75) soil, 2 borehole water, and 20 groundwater samples were analyzed. Completed in March 2006.
- RFI Data Report (updated to include Phase II data) 100%
Major findings included more precise delineation of on- and off-Site TCE groundwater impacts, groundwater flow in the bedrock appears to generally be to the northeast and TCE distribution in bedrock groundwater indicates an upgradient source of TCE to the bedrock groundwater, more precise delineation of source area soil impacts at AOIs 5 and 7, and identification of a possible additional source area in the vicinity of the former south manufacturing building. Currently no unacceptable risks to human health have been identified. Submitted May 26, 2006.

- RFI Phase III Implementation 100%
Objective was to further characterize on- and off-Site groundwater impacts and AOIs on Site. The initial RFI Phase III fieldwork included installation of 6 soil borings and 13 monitoring wells. Fourteen (14) soil, 4 borehole water, and 42 groundwater samples were submitted for analysis. An additional 6 soil borings and 4 monitoring wells were installed, and 16 soil samples and 4 groundwater samples were collected as part of additional “step-out” activities (Phase IIIb) performed based on review of preliminary RFI Phase III soil and borehole water sample analytical data. Following review of the preliminary data from the “step-out” activities (Phase IIIb), two additional monitoring wells were installed (Phase IIIc) to further characterize and delineate the extent of groundwater containing TCE in the S1 unit in the northwestern portion of the Site (MW-0623-S1), and in the S2 unit east of the Site along Lordeman Street (MW-0607-S2). Access was obtained to the adjacent former Midwest Plating property where three monitoring wells were installed, and soil and groundwater samples were collected. Started on October 9, 2006 and completed in March 2007.
- RFI Data Report (updated to include Phase III data) 100%
Major findings included more precise delineation of on- and off-Site groundwater impacts, groundwater flow in the bedrock appears to generally be to the south, the source of the cis-1,2-DCE in bedrock groundwater is uncertain, additional characterization of the groundwater in the bedrock is necessary, there are relatively high concentrations of TCE and PCE in the soil at the former Midwest Plating property, and more precise delineation of source area soil impacts at AOIs 5 and the former south manufacturing building. Currently no unacceptable risks to human health have been identified. Submitted June 1, 2007.
- RFI Soil Gas Sampling 100%
Objective is to allow for verifying the appropriateness of the groundwater vapor intrusion criteria that have been used to guide the RFI field investigation at the Site. A work plan addendum was submitted to USEPA on July 10, 2007. A conference call was held with USEPA to discuss the work plan and the work plan was subsequently revised incorporating USEPA’s comments and resubmitted to USEPA. Soil gas monitoring ports were installed in the residential area east of the Site on August 7, 2007, and soil gas samples were collected on August 13, 2007. Preliminary soil gas analytical results were submitted to USEPA on August 28, 2007 and a conference call was held to discuss those results on August 30, 2007. Additional soil gas sampling ports were installed on September 4, 2007, and additional soil gas samples were collected on September 17, 2007. The preliminary analytical results from the second sampling event were submitted to USEPA on September 27, 2007. USEPA provided comments on the preliminary data in a letter dated October 2, 2007. The comment letter and results were discussed during an October 16, 2007, conference call. Additional risk evaluation was completed and submitted to USEPA on October 30, 2007, and a conference call to discuss the additional information was held on

November 28, 2007. GM's response to USEPA's October 2, 2007 comment letter was submitted to USEPA on December 3, 2007.

- Soil Gas Investigation Data Report 100%
The final soil gas investigation data report was submitted to USEPA on December 21, 2007.
- RFI Phase IV Implementation 100%
Objective is to further characterize on-Site soil impacts in the former south manufacturing building and to characterize the groundwater flow and delineate the horizontal and vertical extent of cis-1,2-DCE in the groundwater in the bedrock.

A total sixty-two (62) soil borings were advanced from August 29, 2007 to September 5, 2007 within and in the vicinity of the former north and south manufacturing buildings, and field screened. Soil samples were collected based on field observations, and in total thirty-one (31) soil samples were submitted for laboratory analysis. An additional 26 soil borings were advanced from November 19, 2007 to November 20, 2007 to delineate TCE within and in the vicinity of the north and south manufacturing buildings. A total of 60 soil samples were submitted for laboratory analysis. An additional fourteen (14) soil borings were advanced on January 15, 2008 to delineate TCE within and in the vicinity of the north and south manufacturing buildings. A total of fifteen (15) soil samples were submitted for laboratory analysis. Based on review of this data, TCE is adequately delineated.

Installation of the pilot bedrock boring, packer testing, FLUTE testing, discrete low flow vertical groundwater sampling, and isolated groundwater sampling was completed between August 20, 2007 and December 8, 2007. A preliminary report of the results from the pilot bedrock boring was submitted to USEPA on November 16, 2007. An updated report was submitted to USEPA on March 21, 2008. Three additional bedrock monitoring wells were installed in the upper transmissive zone from December 4, 2007 to December 15, 2007. Installation of the additional three deeper bedrock boreholes was completed from April 14, 2008 to May 1, 2008. FLUTE hydraulic profiling of the bedrock boreholes was completed from May 13, 2008 to May 15, 2008. The technical memo with the results of the profiling was submitted to USEPA on July 10, 2008. Discrete depth vertical groundwater sampling (packer sampling) of select intervals in the boreholes was completed in the third quarter 2008. An updated technical memo to summarize the data and provide recommendations for future groundwater sampling was prepared and submitted to USEPA on October 20, 2008. A groundwater sampling event was completed in November 2008 that included collecting depth to water information across the entire monitoring well network, collecting samples from a subset of approximately 30 existing wells, and discrete depth vertical groundwater sampling (packer sampling) of select intervals in the boreholes, all to confirm the characterization of contaminated groundwater on- and off-Site.

- RFI Supplemental Data Report (updated to include Phase IV soil data) 100%

Major findings included more complete characterization of on-Site soil impacts at AOIs 2, 3 and the former north and south manufacturing buildings. In addition, the Phase IV soil results were evaluated relative to the determination included in the CA725 Report for the Former GM Delco Plant 5 Facility in Kokomo, Indiana (ENVIRON 2007) that all current human exposures to "contamination" at or from the Facility are under control, based on soil data collected prior to September 1, 2007. The evaluation of the Phase IV soil data concluded that results do not alter the conclusions presented in the CA725 Report or the "YE" determination for the CA725. Submitted June 27, 2008.

- Groundwater Evaluation 100%
A draft groundwater evaluation was prepared to provide the USEPA with GM's evaluation of groundwater quality and flow data collected through February 2009. Submitted on April 10, 2009. This evaluation will be included in the RFI Report. A meeting was held with USEPA on May 19, 2009 to discuss the evaluation and proposed additional investigation.
- Additional Groundwater Investigation 100%
Groundwater sampling completed June 17 through 19, 2009.
- Draft RFI Report 100%
(Submitted October 5, 2009)
- Final RFI Report 0%
- Human Health EI (CA725) Report 100%
(Submitted November 30, 2007)
Minor comments received from USEPA on December 12, 2007, and revisions submitted on December 20, 2007. USEPA approved the determination on January 3, 2008.
- Groundwater Migration EI (CA750) 20%
(Due November 30, 2009)
- Interim Measures Work Plan 0%
(If necessary)
- Operation and Maintenance of Interim Measures 0%
(If necessary)
- Corrective Measures Proposal 0%
(Due June 30, 2010)

SUMMARY OF CONTACTS WITH INTERESTED PARTIES

- The following documents were placed in the public information repository:
 - *Second Quarter 2009 Progress Report, RCRA Corrective Action*, Former GM Delco Plant 5, Kokomo, IN, USEPA ID No. IND000806844, July 14, 2009.

CHANGES IN PERSONNEL

- As Marilyn Dedyne and Jean Caufield are now employed by the new General Motors and responsibility for project stayed with MLC, they are no longer working on this project.

PROJECTED WORK FOR NEXT REPORTING PERIOD

- Complete Draft RFI Report, which was submitted on October 5, 2009.
- Meet with USEPA to review the Draft RFI Report.
- Continue preparation of the EI CA750 and meet to discuss a draft.
- Submit Final EI CA750 (November 30, 2009)
- Prepare summaries of meetings, data reviews, or conference calls with USEPA, as appropriate.
- Prepare the Fourth Quarter 2009 Progress Report.
