



Hercules LLC  
Hercules Research Center  
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Wilmington, DE 19808-1599  
Writer's Direct Dial: 302-995-3456

January 21, 2019

**VIA ELECTRONIC MAIL**

Mr. Maher Budeir  
Corrective Action Section  
Resource Conservation and Restoration Division  
USEPA-Region 4  
61 Forsyth Street, SW  
Mail Code: 9T25  
Atlanta, Georgia 30303-8960

RE: **Hercules Hattiesburg Facility – Hattiesburg, MS – Monthly Progress Report  
(December 2018)**

**USEPA Region IV, RCRA 3008(h) Order  
Docket # RCRA -04-2014-4201(b)**

**USEPA Region IV, RCRA 3013(a) Order  
Docket # RCRA -04-2011-4251**

Dear Mr. Budeir:

This report summarizes the activities accomplished from December 1 through December 31, 2018, in order to comply with Resource Conservation and Recovery Act (RCRA) 3008(h) and RCRA 3013(a) Orders for the former Hercules Hattiesburg Plant.

**TASKS INITIATED, CONTINUED, OR COMPLETED DURING DECEMBER 2018**

- Participated in a meeting with the U.S. Environmental Protection Agency (USEPA) and Mississippi Department of Environmental Quality (MDEQ) on December 10, 2018, to discuss the site status, preparation of the human health and ecological risk assessments, and the path forward for the project.
- Initiated data management and evaluation for the 2018 second semiannual monitoring events for the Restricted Use Agreement Order (RUAO), Area #1, and Area #2 monitoring programs.
- Continued preparation of the Historical Pit Investigation Report, documenting the assessment of seven potential historical pits identified on recently produced aerial photography.

- Continued preparation of the Poly Pale™ Area Monitoring Report, documenting the results of four quarterly groundwater sampling events and assessment of soil leachability potential.
- Continued revisions to the Dense Non-Aqueous Phase Liquid (DNAPL) Supplemental Investigation Report, incorporating new data and addressing USEPA comments on the draft version (dated September 28, 2016) and follow-up documentation provided via email on May 19, 2017.
- Continued preparation of the Drainage C and Surface Soil Supplemental Investigation Report, documenting the additional evaluation of soil quality along Drainage C and surface soil locations for the ecological risk assessment.
- Continued preparation of the Draft Impoundment Basin (IB) and ET-10 Decommissioning Completion Report.
- Continued preparation of the Draft Conceptual Site Model Update Report.
- Continued the treatability study on sludge pit samples.

#### **PROBLEMS AND DELAYS**

- None.

#### **TASKS PLANNED FOR JANUARY 2019**

- Finalize the IB and ET-10 Decommissioning Completion Report.
- Finalize the Historical Pit Investigation Report, documenting the assessment of seven potential historical pits identified on recently produced aerial photography.
- Finalize the Poly Pale™ Area Monitoring Report, documenting the results of four quarterly groundwater sampling events and assessment of soil leachability potential.
- Continue preparation of the Drainage C and Surface Soil Supplemental Investigation Report, documenting the additional evaluation of soil quality along Drainage C and surface soil locations for the ecological risk assessment.
- Continue preparation of the DNAPL Supplemental Investigation Report, incorporating new data and addressing USEPA comments on the draft version (dated September 28, 2016) and follow-up documentation provided via email on May 19, 2017.
- Continue preparation of the Draft Conceptual Site Model Update Report.
- Continue to submit ongoing USEPA Data Archival and ReTrieval (DART) electronic data deliverables.
- Continue with the treatability study on sludge pit samples.
- Initiate preparation of the 2018 Second Semiannual Consolidated Monitoring Report, documenting the November 2018 sampling event for the RUAO, Area #1, and Area #2 programs.
- Participate in conference calls with the USEPA and MDEQ to discuss the site status, preparation of the human health and ecological risk assessments, and the path forward for the project.

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**COMMUNITY INVOLVEMENT**

- None.

**PERSONNEL CHANGES**

- None.

**USEPA/MDEQ SUPPORT NEEDED**

- Review the Draft Data Evaluation and Assessment of Exposure and Toxicity for the Baseline Risk Assessment Report dated October 30, 2018.
- Participate in conference calls to discuss the site status, preparation of the human health and ecological risk assessments, and the path forward for the project.

Please call me at 302-995-3456 if you have any questions regarding this Monthly Progress Report.

Sincerely,



Timothy D. Hassett  
Project Coordinator

TDH  
Hburg3013\_December 2018

cc: M. McGee-Collier – MDEQ, Jackson, MS (electronic)  
Hunter Hudson – MDEQ, Jackson, MS (electronic)  
Robin Lampkin – Hercules, Dublin, OH (electronic)  
John Ellis – Arcadis, Baton Rouge, LA (electronic)