



April 11, 2016

Rusty Kestle
Remedial Project Manager
Superfund Remedial Branch, Section C
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street SW
Atlanta, GA 30303-8909

VIA EMAIL

Subject: **March 2016 Monthly Progress Report**

Dear Mr. Kestle :

On behalf of Beazer East, Inc. (Beazer), attached is the March 2016 Monthly Progress Report for the Koppers portion of the Cabot/Koppers Superfund Site in Gainesville, Florida. If you have any questions or comments, please contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Gregory W. Council'.

Gregory W. Council, P.E.
Principal Engineer

cc: Kelsey Helton, FDEP
Robin Hallbourg, ACEPD
Agustin (Gus) Olmos, ACEPD
Kristie Williams, City of Gainesville
Yvette Carter, City of Gainesville
Rick Hutton, GRU
Carrie McCoy, Black & Veatch
Josh Hayes, J.M. Waller
John Herbert, GeoHydro Consultants
Patricia Cline
Linda Paul, Koppers, Inc.
Mitchell Brouman, TRMI
Mike Slenska, TRMI
Donna Kopach, TRMI
Jim Erickson, Tetra Tech
Wayne Reiber, Cabot Corporation
Steve Clark, FTS
John Helton, FTS
Claire Marcussen, Skeo, Community Technical Advisor

March 2016
MONTHLY PROGRESS REPORT
Cabot/Koppers Superfund Site
Gainesville, Florida

1. Compliance Actions:

- Beazer's Operation and Maintenance (O&M) Contractor performed routine treatment plant O&M services for the groundwater extraction and pretreatment system.
- Remedial Design and Remedial Action activities are presently being conducted.

2. Sampling/Test Results and Data:

- Instantaneous flow rates and totalizer volumes were measured in each extraction well.
- NAPL recovery was restarted in the Process Area in November following ISGS injections. The data are currently being analyzed and will be transmitted separately.
- A total of 4,148,719 gallons of groundwater were recovered by the Surficial Aquifer drains and extraction well system (both Surficial Aquifer and UFA) during the past month (system run time of 744 hours). The average recovery rate for the month was approximately 92.9 gallons per minute (gpm). The recovery for each component is listed below.
 - Surficial Aquifer
 - Perimeter Extraction Wells: 597,660 gallons
 - Former North Lagoon Drain: 480,850 gallons
 - Former Drip Track Drain: 479,040 gallons
 - Former Process Area Drain: 448,710 gallons
 - Former South Lagoon Drain: 477,100 gallons
 - Upper Floridan Extraction Wells
 - FW-6: 23,023 gallons
 - FW-21B: 146,883 gallons
 - FW-31BE: 983,020 gallons
 - FW-32BE: 512,433 gallons

Approximately 383.3 million gallons have been recovered from the Surficial Aquifer extraction wells and four drains since the start of the Surficial Aquifer containment system in January 1995.

For the month, the total volume of water treated and discharged to the GRU wastewater system was measured to be 2,418,000 gallons. A portion of the water, from Upper Floridan Aquifer wells, was treated and used for on-Property irrigation.

The Former South Lagoon groundwater drain pumps were turned off for approximately 9 hours to pump and clean clarifiers and to treat backwash water.

3. Plans, Reports, Deliverables and Procedures Completed:

- *Quality Assurance Project Plan* for Groundwater Monitoring (Revision 2) submitted March 9, 2016.
- Remedial Design/Remedial Action Status Update Meeting (EPA/Beazer) March 15, 2016.
- Revised *Former South Lagoon Preliminary Design and Design Investigation Workplan* submitted March 22, 2016.
- *Phase II Field Implementation of In-Situ Geochemical Stabilization Remediation for the Former Process Area* submitted March 29, 2016.

- Periodic maintenance checks and inspections.
- Treatment-plant component maintenance and repair as needed (caustic pump, carbon vessel gaskets and gauges, sludge pump diverter valve, bag filter vessel).
- Irrigation Breakthrough sampling on March 15, 2016.
- Carbon A and Carbon C sampling on March 16, 2016.
- Cleaned EW-1 flow meter and shocked EW-1, replaced EW-1 pump.
- Cleaned EW-14 flow meter and pump.
- Cleaned EW-3 flow meter and pump.
- Shipped 5 drums PPE, 27 drums treatment sludge, 29 drums drilling mud, 5 drums DNAPL, and 7 drums non-hazardous soil on March 2, 2015.
- On-property irrigation using treated groundwater from FW-6, FW-21B, FW-31BE, and FW-32BE.

4. Upcoming Actions:

- NAPL collection at Upper Hawthorn monitoring wells: bi-weekly.
- NAPL collection at temporary Upper Hawthorn ISGS injection points: bi-weekly.
- NAPL collection in Process Area: bi-weekly.
- Routine inspection, operation, maintenance, and monitoring.
- Second quarter sampling event: May 9-13, 2016.

5. Schedule Status:

- Minor modifications were made to the project schedule.

6. Community Involvement:

- Future community involvement activities will be coordinated with EPA.

