



November 14, 2019

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: **September 2019 Monthly Progress Report**

Dear Mr. Kestle:

On behalf of Beazer East, Inc. (Beazer), attached is the September 2019 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 that reads 'Gregory W. Council'.

Gregory W. Council, P.E.
Principal Engineer

cc: Tracie Vaught, FDEP
Scott Miller, USEPA
Agustin (Gus) Olmos, ACEPD
Rick Hutton, GRU
Carrie McCoy, Black & Veatch
John Herbert, GeoHydro Consultants
Patricia Cline, Community Technical Advisor
Linda Paul, Koppers, Inc.
Mike Slenska, TRMI
Alexis Cubbins, TRMI
Jim Erickson, Tetra Tech
Wayne Reiber, Cabot Corporation
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**SEPTEMBER 2019
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.
- The bi-weekly passive NAPL recovery program continues at Upper Hawthorn monitoring wells and temporary injection points (TIPs) installed as part of the In-Situ Geochemical Stabilization (ISGS) program. Two NAPL recovery events were conducted during the month for the monitoring wells and two were conducted for the TIPs.
- Table 1 provides DNAPL collection data for wells at the Former North Lagoon and Drip Track. The only monitored TIP outside the Former Process Area and Former South Lagoon is at the Drip Track (Table 1). Process Area and South Lagoon recovery data will be included in forthcoming performance monitoring submittals.
- A total of 3,767,674 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 674.5 hours). The average recovery rate for the month was approximately 93.1 gallons per minute (gpm). The recovery for each component is listed below.
 - Surficial Aquifer
 - Perimeter Extraction Wells: 521,815 gallons
 - Former North Lagoon Drain: 422,280 gallons
 - Former Drip Track Drain: 465,340 gallons
 - Former Process Area Drain: 459,040 gallons
 - Former South Lagoon Drain: 433,580 gallons
 - Upper Floridan Extraction Wells
 - FW-6: 17,854 gallons
 - FW-21B: 161,778 gallons
 - FW-31BE: 870,050 gallons
 - FW-32BE: 415,937 gallons

Approximately 478.6 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 2,285,281 gallons. A portion of the water, from Upper Floridan Aquifer wells, was treated and used for on-Property irrigation.

The Former Process Area and South Lagoon groundwater drain pumps were turned off for approximately 5 hours to pump and clean clarifiers and to treat backwash water.

3. Plans, Reports, Deliverables and Procedures Completed:

- Submitted *Soil Sampling Work Plan for Stormwater Improvements* on September 16, 2019
- Remedial Design/Remedial Action Status Update Meeting (EPA/Beazer) September 17, 2019.
- 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). Repaired jib hoist motor and compressor plumbing, re-calibrated and de-scaled treatment pH probe controller, jetted clarifier effluent lines, repaired leaking chemical lines, replaced plant sump pump, cleaned carbon sludge tank, and repaired plant transfer pump.
- Irrigation breakthrough sampling September 26, 2019.
- Quarterly stormwater sampling September 18, 2019.
- Total System Effluent sampling September 26, 2019.
- Repaired EW-9 plumbing.
- Repaired piping in EW sheds.
- Replaced EW-13 pump head.
- Shocked EW-16.
- No drums were shipped in September.
- On-property irrigation using treated groundwater from FW-6, FW-21B, FW-31BE, and FW-32BE.

4. Upcoming Actions:

- Fourth quarter groundwater sampling event November 18-21, 2019.
- NAPL collection at Upper Hawthorn monitoring wells: bi-weekly.
- NAPL collection at temporary Upper Hawthorn ISGS injection points: bi-weekly.
- Routine inspection, operation, maintenance, and monitoring.

5. Schedule Status:

- The overall project schedule is currently being updated and will be submitted in a Remedial Design Work Plan Addendum.

6. Community Involvement:

- Future community involvement activities will be coordinated with EPA.

Table 1. DNAPL recovery volume (gal) at wells and at Drip Track TIP: September 2019

Date	Well	Volume (gal)
9/12/2019	HG-10S	Stain
	HG-10D	Stain
	HG-12S	0.4
	HG-12D	ND
	HG-16S	Stain
	HG-16D	Stain
	MW-22B	Stain
9/27/2019	HG-10S	Stain
	HG-10D	Stain
	HG-12S	0.4
	HG-12D	ND
	HG-16S	Stain
	HG-16D	Stain
	MW-22B	Stain
9/5/2019	Drip Track	0.3
9/17/2019	Drip Track	0.3