



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: **October 2019 Monthly Progress Report**

Dear Mr. Kestle:

On behalf of Beazer East, Inc. (Beazer), attached is the October 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
Steve Clark, FTS
John Helton, FTS
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**OCTOBER 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 three 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 4,095,469 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 91.7 gallons per minute (gpm). The recovery for each component is listed below.
 - Surficial Aquifer
 - Perimeter Extraction Wells: 579,751 gallons
 - Former North Lagoon Drain: 462,810 gallons
 - Former Drip Track Drain: 491,060 gallons
 - Former Process Area Drain: 489,970 gallons
 - Former South Lagoon Drain: 511,090 gallons
 - Upper Floridan Extraction Wells
 - FW-6: 49,535 gallons
 - FW-21B: 168,139 gallons
 - FW-31BE: 901,870 gallons
 - FW-32BE: 441,244 gallons

Approximately 481.1 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 2,480,288 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 8 hours to pump and clean clarifiers and to treat backwash water.

3. Plans, Reports, Deliverables and Procedures Completed:

- Submitted revised *ISGS Spot Treatment and Confirmation Boring Workplan for the South Lagoon* on October 1, 2019.
- Submitted revised *Design Investigation Report for the Former North Lagoon and Former Drip Track* on October 14, 2019.
- Remedial Design/Remedial Action Status Update Meeting (EPA/Beazer) October 22, 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). Flushed chemical feed lines and screens, performed plant electrical repairs, replaced sump GFI, and cleaned plant and sump.
- Irrigation breakthrough/carbon breakthrough sampling October 31, 2019.
- Stormwater rinsate sampling October 1, 2019.
- Total System Effluent sampling October 16, 2019.
- Replaced FW-6 booster pump.
- Repaired KIFCO gun.
- Repaired office roof and fence.
- Replaced EW-3 and EW-15 pumps.
- Troubleshoot trailer phone lines and autodialer.
- Shipped 42 drums of groundwater treatment sludge, 2 drums of PPE and spent filters, 3 drums of DNAPL and water, and 17 drums of spent carbon on October 14, 2019.
- 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.
- ISGS spot treatment and confirmation borings – November 4-15, 2019.
- Soil sampling for stormwater improvements – November 12-13, 2019.

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: October 2019

Date	Well	Volume (gal)
10/10/2019	HG-10S	Stain
	HG-10D	Stain
	HG-12S	0.4
	HG-12D	ND
	HG-16S	Stain
	HG-16D	Stain
	MW-22B	Stain
10/24/2019	HG-10S	Stain
	HG-10D	Stain
	HG-12S	0.5
	HG-12D	ND
	HG-16S	Stain
	HG-16D	Stain
	MW-22B	Stain
10/1/2019	Drip Track	0.3
10/15/2019	Drip Track	0.3
10/29/2019	Drip Track	0.3