TETRA TECH

August 16, 2019

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

Subject: **April 2019 Monthly Progress Report**

Dear Mr. Kestle:

On behalf of Beazer East, Inc. (Beazer), attached is the April 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,

Gregory W. Council, P.E.
Principal Engineer

cc: Tracie Vaught, FDEP
Scott Miller, USEPA
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Rick Hutton, GRU
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APRIL 2019
MONTHLY PROGRESS REPORT
Cabot/Koppers Superfund Site
Gainesville, Florida

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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 3,783,371 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 720 hours). The average recovery rate for the month was approximately 87.6 gallons per minute (gpm). The recovery for each component is listed below.
    - Surficial Aquifer
        - Perimeter Extraction Wells: 519,109 gallons
        - Former North Lagoon Drain: 441,150 gallons
        - Former Drip Track Drain: 443,820 gallons
        - Former Process Area Drain: 467,530 gallons
        - Former South Lagoon Drain: 438,670 gallons
    - Upper Floridan Extraction Wells
        - FW-6: 23,751 gallons
        - FW-21B: 164,571 gallons
        - FW-31BE: 869,210 gallons
        - FW-32BE: 415,560 gallons

  Approximately 466.8 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 2,499,000 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:

- Remedial Design/Remedial Action Status Update Meeting (EPA/Beazer) April 11, 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 chemical pumps, replaced flow meter chambers, flushed line, replaced gauges, repaired plant leaks and plumbing, replaced plant struts and bolts, repaired scaffold, jetted clarifier effluent line, cleaned plant sump, washed plant and repaired drum shed.
- Carbon breakthrough sampling April 15, 2019.
- Irrigation breakthrough sampling April 30, 2019.
- Stormwater rinsate sampling April 10, 2019.
- Shipped 5 drums DNAPL, 26 drums of treatment sludge and 13 drums PPE on April 10, 2019.
- On-property irrigation using treated groundwater from FW-21B, FW-31BE, and FW-32BE.

4. Upcoming Actions:

- Second quarter sampling event May 6-10, 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: April 2019

Date	Well	Volume (gal)
4/11/2019	HG-10S	Stain
	HG-10D	Stain
	HG-12S	0.4
	HG-12D	ND
	HG-16S	Stain
	HG-16D	Stain
	MW-22B	Stain
4/25/2019	HG-10S	Stain
	HG-10D	Stain
	HG-12S	0.5
	HG-12D	ND
	HG-16S	Stain
	HG-16D	Stain
	MW-22B	Stain
4/2/2019	Drip Track	0.5
4/16/2019	Drip Track	0.5
4/30/2019	Drip Track	0.4