



July 10, 2013

W. Russell Kestle, Jr. PG
Remedial Project Manager
Superfund Division, Region 4
U. S. Environmental Protection Agency
61 Forsyth Street SW
Atlanta GA 30303-8909

VIA EMAIL

Subject: **June 2013 Monthly Progress Report**

Dear Mr. Kestle:

On behalf of Beazer East, Inc. (Beazer), attached is the June 2013 Monthly Progress Report for 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: Scott Miller, EPA
Kelsey Helton, FDEP
John Mousa, ACEPD
Rick Hutton, GRU
Carrie McCoy, Black & Veatch
John Herbert, GeoHydro Consultants
Patricia Cline, Community Technical Advisor
Linda Paul, Koppers, Inc.
Mitchell Brouman, TRMI
Mike Slenska, TRMI
Donna Kopach, TRMI
Jim Erickson, Tetra Tech
Kim O'Day, Tetra Tech

June 2013
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 (RD/RA) activities are presently being planned and scheduled.

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: 2.30 gallons of NAPL were removed from Upper Hawthorn wells during the past month (2 recovery events). A total of 541.86 gallons have been bailed or pumped since the start of the NAPL recovery program on June 19, 2004. The attached table provides details of the NAPL recovery volumes by well and date.
- In addition, NAPL was removed from 11 temporary injection points installed in the Former Process Area as part of the In-Situ Geochemical Stabilization (ISGS) program. This is a pilot demonstration for full scale design. Two NAPL recovery events were conducted during the month, resulting in 124 gallons removed.
- In addition, NAPL was removed from six newly-installed recovery wells installed in the Former Process Area as part of the In-Situ Geochemical Stabilization (ISGS) program (one in the surficial aquifer and five in the Upper Hawthorn). Two NAPL recovery events were conducted during the month, resulting in 72.5 gallons removed.
- A total of 3,846,325 gallons of groundwater were recovered by the Surficial Aquifer drains and extraction well system during the past month (system run time of 718.3 hours). The average recovery rate for the month was approximately 89.2 gallons per minute (gpm). The recovery for each component is listed below.
 - Surficial Aquifer
 - Perimeter Extraction Wells: 544,039 gallons
 - Former North Lagoon Drain: 322,800 gallons
 - Former Drip Track Drain: 471,520 gallons
 - Former Process Area Drain: 473,850 gallons
 - Former South Lagoon Drain: 457,510 gallons
 - Upper Floridan Extraction Wells
 - FW-6: 26,566 gallons
 - FW-21B: 112,772 gallons
 - FW-31BE: 931,730 gallons
 - FW-32BE: 505,538 gallons

Approximately 320 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 2,217,000 gallons. The remaining portion of the water, from Upper Floridan Aquifer wells, was treated and used for irrigation.

The Former South Lagoon and Former Process Area groundwater drain pumps were turned off for approximately 6 hours to pump and clean clarifiers and to treat backwash water. All drain pumps are set at the lowest possible positions in sumps.

3. Plans, Reports, Deliverables and Procedures Completed:

- Periodic maintenance checks and inspections.
- Treatment-plant component maintenance and repair as needed.
- Irrigation-system carbon breakthrough sample collection for VOCs and SVOCs.
- Storm water sampling was performed June 6, 2013.
- Treatment system influent/effluent sampling was performed June 4th and 18th, 2013.
- Baseline sampling was performed in HG-31S, HG-32S, HG-33S, HG-34S, HG-35S, M-34B, M-35B, M-36B, M-37B, M-25B for VOC's, SVOC's, Total & Dissolved Metals.
- Pulled and cleaned pumps at EW-3 and EW-16.
- On-property irrigation using treated groundwater from FW-6, FW-21B, FW-31BE, and FW-32BE.
- Disposed of 51 drums containing PPE, drilling mud, DNAPL, and treatment sludge.

4. Upcoming Actions:

- NAPL collection at Upper Hawthorn monitoring wells: bi-weekly.
- NAPL collection at temporary Upper Hawthorn ISGS injection points: bi-weekly.
- Third quarter groundwater sampling event planned for August 12-18, 2013.
- Preparation of a Remedial Design Work Plan: submittal September 2013.
- Routine inspection, operation, maintenance, and monitoring.
- Coordination with EPA for access agreements at nearby properties in need of surveying or soil sampling.
- Soil sampling of off-property areas: week of July 29, 2013.
- Surveying of off-Site properties: tentative field date August 2013.

5. Schedule Status:

- Remedial design and remedial action planning activities are underway. A schedule is being developed as part of the Remedial Design Work Plan.
- No delays were encountered during the reporting period.

6. Plan/Schedule Modifications:

- None this reporting period.

7. Community Involvement:

- Beazer has been assisting EPA with contacting nearby property owners for access agreements.
- Future community involvement activities will be coordinated with EPA.

Hawthorn Group Passive NAPL Recovery (Page 6 of 6)

Well	HG-9S		HG-10S		HG-10D		HG-11S		HG-12S		HG-12D		HG-15S		HG-16S		HG-16D		FW-6		Total Vol. removed (gal)
	Thickness (ft)	Vol. Removed (gal)	Thickness (ft)	Vol. Removed (gal)	Thickness (ft)	Vol. Removed (gal)	Thickness (ft)	Vol. Removed (gal)	Thickness (ft)	Vol. Removed (gal)	Thickness (ft)	Vol. Removed (gal)	Thickness (ft)	Vol. Removed (gal)	Thickness (ft)	Vol. Removed (gal)	Thickness (ft)	Vol. Removed (gal)	Thickness (ft)	Vol. Removed (gal)	

6/19/04 measured with bailer
 7/07/04 measured with weighted cotton string
 Other dates used Bailer & Interface Probe
 ND indicates NAPL not detected
 NM indicates measurement not taken
 Stain indicates that NAPL stained measurement probe, but thickness was unmeasurable
 Blank indicated no measured DNAPL removal
 10/25/05 began two-week schedule
 5/17/06 used low-flow pump (as opposed to the bailer)
 7/10/07 RH performed bailing
 11/13/07 New Heron Oil/Water Interface Probe (H01L/SM01L) now in use
 3/4/08 through 8/25/08 Key Environmental pumping well running 8 ft away from HG-10S and HG-10D
 12/23/08 Michael Toundas performed DNAPL recovery
 2/3/2009 difficulties with obtaining DNAPL/water interface with new tape
 3/18/09 - only performed DNAPL recovery at HG-15S
 starting on 8/20/09 - used peristaltic pump at HG-11S & HG-15S; stain observed at HG-16D and M-22B
 10/21/2009 - FW-6 no longer measured due to Upper Floridan IRM