



February 10, 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: **January 2016 Monthly Progress Report**

Dear Mr. Kestle :

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

**January 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 4,160,128 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 93.2 gallons per minute (gpm). The recovery for each component is listed below.
 - Surficial Aquifer
 - Perimeter Extraction Wells: 590,701 gallons
 - Former North Lagoon Drain: 527,610 gallons
 - Former Drip Track Drain: 471,520 gallons
 - Former Process Area Drain: 427,440 gallons
 - Former South Lagoon Drain: 499,750 gallons
 - Upper Floridan Extraction Wells
 - FW-6: 15,408 gallons
 - FW-21B: 153,123 gallons
 - FW-31BE: 976,010 gallons
 - FW-32BE: 498,566 gallons

Approximately 378.5 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 2,612,000 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 6 hours to pump and clean clarifiers and to treat backwash water. In addition they were turned off for 26 hrs to repair the variable frequency drive (VFD), 2.5 hrs to test flow meters and 20 hrs to replace the VFD.

3. Plans, Reports, Deliverables and Procedures Completed:

- Remedial Design/Remedial Action Status Update Meeting (EPA/Beazer) June 19, 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).
- South Lagoon Drain flow meter replaced on January 25, 2016.

- Irrigation Breakthrough sampling on January 25, 2016.
- Pulled and reset pump at FW-6 to locate line break.
- Cleaned EW-16 flow meter and shocked well three times.
- Cleaned EW-14 flow meter and shocked well.
- Installed new VFDs on plant mixers.
- Repaired sludge pump.
- Tested extraction well and trench vault flow meters and line pressures.
- Reprogrammed variable frequency drive VFD 1.
- 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.
- First quarter sampling event: February 8-12, 2016.
- 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.

GAINESVILLE REMEDIAL DESIGN

ID	WBS	Task Name	Duration	Predecessors	Start	Finish	2013				2014				2015				2016				2017				2018				2019	
							Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1
192	9.1	Prepare Institutional Control Implementation and Assurance Plan (ICIAP)	6.8 wks	5	Tue 7/9/13	Fri 8/23/13																										
193	9.2	Submit ICIAP	0 wks	192	Fri 8/23/13	Fri 8/23/13																										
194	9.3	Review	12.5 wks	193	Mon 8/26/13	Wed 11/20/13																										
195	9.4	Beazer Respond to Comments	48 wks	194	Mon 4/6/15	Fri 3/4/16																										
196	9.5	Beazer Submit Responses & ICIAP Version 2	0 wks	195	Fri 3/4/16	Fri 3/4/16																										
197	9.6	Review	3 wks	196	Mon 3/7/16	Fri 3/25/16																										
198	9.7	EPA and FDEP Approval of ICIAP	0 wks	197	Fri 3/25/16	Fri 3/25/16																										
199	9.8	Implement Beazer-Property Restrictive Covenant	47 wks		Mon 3/28/16	Fri 2/17/17																										
200	9.8.1	Draft Proprietary Controls Package	13 wks	198	Mon 3/28/16	Fri 6/24/16																										
201	9.8.2	Submit Draft Proprietary Controls Package	0 wks	200	Fri 6/24/16	Fri 6/24/16																										
202	9.8.3	Review and Updating	8 wks	201	Mon 6/27/16	Fri 8/19/16																										
203	9.8.4	Update Title Search and Prepare Public Notice	8 wks	202	Mon 8/22/16	Fri 10/14/16																										
204	9.8.5	Beazer Publish Public Notice	0 wks	203	Fri 10/14/16	Fri 10/14/16																										
205	9.8.6	Public Comment Period	4.4 wks	204	Mon 10/17/16	Tue 11/15/16																										
206	9.8.7	Address Comments and Execute Restrictive Covenant	5 wks	205	Wed 11/16/16	Tue 12/20/16																										
207	9.8.8	Record Restrictive Covenant at Alacha County Clerk of Court	0 wks	206	Tue 12/20/16	Tue 12/20/16																										
208	9.8.9	Prepare Final Proprietary Controls Package	8.6 wks	207	Wed 12/21/16	Fri 2/17/17																										
209	9.8.10	Submit Final Proprietary Controls Package	0 wks	208	Fri 2/17/17	Fri 2/17/17																										