



May 13, 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: **April 2016 Monthly Progress Report**

Dear Mr. Kestle :

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

APRIL 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 3,837,095 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 88.8 gallons per minute (gpm). The recovery for each component is listed below.
 - Surficial Aquifer
 - Perimeter Extraction Wells: 528,675 gallons
 - Former North Lagoon Drain: 458,190 gallons
 - Former Drip Track Drain: 430,860 gallons
 - Former Process Area Drain: 431,760 gallons
 - Former South Lagoon Drain: 464,430 gallons
 - Upper Floridan Extraction Wells
 - FW-6: 19,207 gallons
 - FW-21B: 127,449 gallons
 - FW-31BE: 908,020 gallons
 - FW-32BE: 468,504 gallons

Approximately 385.6 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 2,270,000 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 9 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 18, 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).
- Irrigation Breakthrough sampling on April 25, 2016.
- Shocked EW-3, replaced failed motor and pump head on EW-3.

- Shocked EW-17 and EW-16.
- 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.
- 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 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	Qtr 2	Qtr 3	Qtr 4								
1		1 Consent Decree for RD/RA	23.8 wks		Thu 2/7/13	Wed 7/24/13	[Gantt bar]																																			
2	1.1	US DOJ Lodges Donsent Decree with Court	0 days		Thu 2/7/13	Thu 2/7/13	[Milestone]																																			
3	1.2	Public Comment on Consent Decree	4.6 wks		Wed 2/13/13	Fri 3/15/13	[Gantt bar]																																			
4	1.3	Beazer Submittal: Project Coordinators, Supervising Contractor, Quality Management Plan	0 days		Fri 2/15/13	Fri 2/15/13	[Milestone]																																			
5	1.4	Court Enters Consent Decree Final	0 days		Tue 7/9/13	Tue 7/9/13	[Milestone]																																			
6	1.5	EPA Issues Authorization to Proceed with Remedial Design	0 days		Wed 7/24/13	Wed 7/24/13	[Milestone]																																			
7																																										
8		2 Remedial Design Work Plan (RDWP)	22.3 wks		Wed 7/24/13	Thu 12/26/13	[Gantt bar]																																			
9	2.1	Prepare RDWP	43 days	6	Wed 7/24/13	Fri 9/20/13	[Gantt bar]																																			
10	2.2	Beazer Submit RDWP	0 wks	9	Fri 9/20/13	Fri 9/20/13	[Milestone]																																			
11	2.3	EPA Review and Comment RDWP	6.8 wks	10	Mon 9/23/13	Thu 11/7/13	[Gantt bar]																																			
12	2.4	Beazer Respond to Comments	4.3 wks	11	Fri 11/8/13	Mon 12/9/13	[Gantt bar]																																			
13	2.5	Beazer Submit Responses and RDWP Version 2	0 wks	12	Mon 12/9/13	Mon 12/9/13	[Milestone]																																			
14	2.6	EPA Review	2.6 wks	13	Mon 12/9/13	Thu 12/26/13	[Gantt bar]																																			
15	2.7	EPA Approval RDWP	0 wks	14	Thu 12/26/13	Thu 12/26/13	[Milestone]																																			
16																																										
17		3 Supporting Plans for RD/RA	100.8 wks		Fri 9/20/13	Thu 8/27/15	[Gantt bar]																																			
18	3.5	Beazer Submit Health & Safety Plan	0 wks	10	Fri 9/20/13	Fri 9/20/13	[Milestone]																																			
19	3.2	Materials Management Plan	5 wks	10	Tue 4/1/14	Mon 5/5/14	[Gantt bar]																																			
20	3.6	Stormwater Management Plan	5 wks	19FF	Tue 4/1/14	Mon 5/5/14	[Gantt bar]																																			
21	3.7	Noise and Dust Control Plan	5 wks	19FF	Tue 4/1/14	Mon 5/5/14	[Gantt bar]																																			
22	3.5	Equipment Decontamination Plan	5 wks	19FF	Tue 4/1/14	Mon 5/5/14	[Gantt bar]																																			
23	3.6	Beazer update QAPP	33.8 wks		Mon 1/5/15	Thu 8/27/15	[Gantt bar]																																			
24	3.7	Beazer Submit Revised QAPP	0 wks	23	Thu 8/27/15	Thu 8/27/15	[Milestone]																																			
25																																										
26		4 Off-Property Soil Replacement (OU-5): DESIGN TRACK #1	121.4 wks		Tue 4/30/13	Thu 8/27/15	[Gantt bar]																																			
27	4.1	Initial Identification of Remediation & Evaluation Parcels	0 wks		Tue 4/30/13	Tue 4/30/13	[Milestone]																																			
28	4.2	Obtain Access Agreements for Surveys & Sampling	23 wks		Thu 5/2/13	Wed 10/9/13	[Gantt bar]																																			
29	4.3	Community Information Session	0 wks		Thu 5/30/13	Thu 5/30/13	[Milestone]																																			
30	4.4	4.4 Sampling for Refinement of Remediation Parcels (July 2013)	18.8 wks		Fri 7/19/13	Wed 11/27/13	[Gantt bar]																																			
31	4.4.1	Proposal for Sampling (July 2013)	0 wks		Fri 7/19/13	Fri 7/19/13	[Milestone]																																			
32	4.4.2	EPA Approval of Sampling	0 wks		Mon 7/22/13	Mon 7/22/13	[Milestone]																																			
33	4.4.3	Sample Collection	2 days		Tue 7/30/13	Wed 7/31/13	[Gantt bar]																																			
34	4.4.4	Analysis and Validation	6.2 wks	33	Thu 8/1/13	Thu 9/12/13	[Gantt bar]																																			
35	4.4.5	Data Summary Report	10.8 wks	34	Fri 9/13/13	Wed 11/27/13	[Gantt bar]																																			
36	4.4.6	Beazer Submit Data Summary and Fingerprinting Report	0 wks	35	Wed 11/27/13	Wed 11/27/13	[Milestone]																																			
37	4.5	4.5 Pilot Home Soil Replacement	10.3 wks		Thu 9/26/13	Fri 12/6/13	[Gantt bar]																																			
38	4.5.1	Survey	1.8 wks		Thu 9/26/13	Tue 10/8/13	[Gantt bar]																																			
39	4.5.2	Design & Interview	3 wks	38	Wed 10/9/13	Tue 10/29/13	[Gantt bar]																																			
40	4.5.3	Borrow Sampling	2 wks		Thu 10/10/13	Wed 10/23/13	[Gantt bar]																																			
41	4.5.4	Sample Analysis	2 wks	40	Thu 10/24/13	Wed 11/6/13	[Gantt bar]																																			
42	4.5.5	Pilot Plan	6 wks		Thu 9/26/13	Wed 11/6/13	[Gantt bar]																																			
43	4.5.6	Submit Pilot Plan	0 wks	42,41	Wed 11/6/13	Wed 11/6/13	[Milestone]																																			
44	4.5.7	Review	1 wk	43	Thu 11/7/13	Wed 11/13/13	[Gantt bar]																																			
45	4.5.8	EPA Approval of Pilot Plan	0 wks	44	Wed 11/13/13	Wed 11/13/13	[Milestone]																																			
46	4.5.9	Permitting	2 wks	45FF	Thu 10/31/13	Wed 11/13/13	[Gantt bar]																																			
47	4.5.10	Pilot Implementation	3.3 wks	46,45	Thu 11/14/13	Fri 12/6/13	[Gantt bar]																																			
48	4.6	4.6 Blocks A-I Remediation Design	42.4 wks		Mon 9/16/13	Tue 7/8/14	[Gantt bar]																																			
49	4.6.1	Remedial Design Details	12.4 wks	35	Thu 11/28/13	Fri 2/21/14	[Gantt bar]																																			
50	4.6.2	Submit RD Details	0 wks	49	Fri 2/21/14	Fri 2/21/14	[Milestone]																																			
51	4.6.3	Review and Comment	0.8 wks	50	Mon 2/24/14	Thu 2/27/14	[Gantt bar]																																			
52	4.6.4	Surveying & Interviews	34 wks		Mon 9/16/13	Fri 5/9/14	[Gantt bar]																																			
53	4.6.5	Parcel Designs & Remediation Agreements	28 wks		Mon 12/2/13	Fri 6/13/14	[Gantt bar]																																			
54	4.6.6	4.6.6 Final Design and RAWP	19.6 wks		Fri 2/21/14	Tue 7/8/14	[Gantt bar]																																			
55	4.6.6.1	Submit Pre-Final Designs & RAWP: Blocks G & H	0 wks		Fri 2/21/14	Fri 2/21/14	[Milestone]																																			
56	4.6.6.2	Final Design and RAWP Approval: Blocks G-H	1 wk	55	Fri 2/21/14	Thu 2/27/14	[Gantt bar]																																			
57	4.6.6.3	Submit Pre-Final Designs & RAWP: Blocks E&F	0 wks		Fri 3/7/14	Fri 3/7/14	[Milestone]																																			
58	4.6.6.4	Final Design and RAWP Approval: Blocks E&F	1 day	57	Fri 3/7/14	Fri 3/7/14	[Milestone]																																			
59	4.6.6.5	Submit Pre-Final Designs & RAWP: Block D	0 wks		Thu 4/3/14	Thu 4/3/14	[Milestone]																																			
60	4.6.6.6	Final Design and RAWP Approval: Block D	2 days	59	Thu 4/3/14	Fri 4/4/14	[Gantt bar]																																			
61	4.6.6.7	Submit Pre-Final Designs & RAWP: Block C	0 wks	59FF+4 wks	Wed 4/30/14	Wed 4/30/14	[Milestone]																																			
62	4.6.6.8	Final Design and RAWP Approval: Block C	0 wks	61	Wed 4/30/14	Wed 4/30/14	[Milestone]																																			
63	4.6.6.9	Submit Pre-Final Designs & RAWP: Block B	0 wks	61FF+3.1 wk	Thu 5/22/14	Thu 5/22/14	[Milestone]																																			

GAINESVILLE REMEDIAL DESIGN

ID	WBS	Task Name	Duration	Predecessors	Start	Finish	2013				2014				2015				2016				2017				2018				2019			
							tr 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	Qtr 2	Qtr 3
192																																		
193		9 Institutional Control	206.8 wks		Tue 7/9/13	Fri 6/23/17																												
194	9.1	Prepare Institutional Control Implementation and Assurance Plan (ICIAP)	6.8 wks	5	Tue 7/9/13	Fri 8/23/13																												
195	9.2	Submit ICIAP	0 wks	194	Fri 8/23/13	Fri 8/23/13																												
196	9.3	Review	12.5 wks	195	Mon 8/26/13	Wed 11/20/13																												
197	9.4	Beazer Respond to Comments	66 wks	196	Mon 4/6/15	Fri 7/8/16																												
198	9.5	Beazer Submit Responses & ICIAP Version 2	0 wks	197	Fri 7/8/16	Fri 7/8/16																												
199	9.6	Review	3 wks	198	Mon 7/11/16	Fri 7/29/16																												
200	9.7	EPA and FDEP Approval of ICIAP	0 wks	199	Fri 7/29/16	Fri 7/29/16																												
201	9.8	Implement Beazer-Property Restrictive Covenant	47 wks		Mon 8/1/16	Fri 6/23/17																												
202	9.8.1	Draft Proprietary Controls Package	13 wks	200	Mon 8/1/16	Fri 10/28/16																												
203	9.8.2	Submit Draft Proprietary Controls Package	0 wks	202	Fri 10/28/16	Fri 10/28/16																												
204	9.8.3	Review and Updating	8 wks	203	Mon 10/31/16	Fri 12/23/16																												
205	9.8.4	Update Title Search and Prepare Public Notice	8 wks	204	Mon 12/26/16	Fri 2/17/17																												
206	9.8.5	Beazer Publish Public Notice	0 wks	205	Fri 2/17/17	Fri 2/17/17																												
207	9.8.6	Public Comment Period	4.4 wks	206	Mon 2/20/17	Tue 3/21/17																												
208	9.8.7	Address Comments and Execute Restrictive Covenant	5 wks	207	Wed 3/22/17	Tue 4/25/17																												
209	9.8.8	Record Restrictive Covenant at Alacha County Clerk of Court	0 wks	208	Tue 4/25/17	Tue 4/25/17																												
210	9.8.9	Prepare Final Proprietary Controls Package	8.6 wks	209	Wed 4/26/17	Fri 6/23/17																												
211	9.8.10	Submit Final Proprietary Controls Package	0 wks	210	Fri 6/23/17	Fri 6/23/17																												

