



March 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: **February 2016 Monthly Progress Repor**

Dear Mr. Kestle :

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

**February 2016  
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.
- 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 3,907,712 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 696 hours). The average recovery rate for the month was approximately 93.6 gallons per minute (gpm). The recovery for each component is listed below.
  - Surficial Aquifer
    - Perimeter Extraction Wells: 560,030 gallons
    - Former North Lagoon Drain: 480,040 gallons
    - Former Drip Track Drain: 449,520 gallons
    - Former Process Area Drain: 429,110 gallons
    - Former South Lagoon Drain: 459,930 gallons
  - Upper Floridan Extraction Wells
    - FW-6: 20,314 gallons
    - FW-21B: 140,657 gallons
    - FW-31BE: 907,860 gallons
    - FW-32BE: 460,251 gallons

Approximately 380.8 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 2,372,000 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 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) February 25, 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 February 18, 2016.
- TSE Sampling on February 2, 2016.

- Stormwater Sampling on February 4, 2016.
- Cleaned EW-3 flow meter and shocked EW-3.
- Cleaned EW-14 flow meter and repaired EW-14 pump.
- Repaired weir solar panel wiring after vandalism.
- Installed new filter press hydro pump after attempts to clean and repair it.
- Reprogrammed mixer variable frequency drive.
- Conducted first quarter sampling February 8-12, 2016.
- 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	
							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	Qtr 4					
191	8.15	Submit RAWP	0 wks	190	Fri 12/15/17	Fri 12/15/17																																		
192																																								
193	<b>9</b>	<b>Institutional Control</b>	<b>197.8 wks</b>		<b>Tue 7/9/13</b>	<b>Fri 4/21/17</b>																																		
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	57 wks	196	Mon 4/6/15	Fri 5/6/16																																		
198	9.5	Beazer Submit Responses & ICIAP Version 2	0 wks	197	Fri 5/6/16	Fri 5/6/16																																		
199	9.6	Review	3 wks	198	Mon 5/9/16	Fri 5/27/16																																		
200	9.7	EPA and FDEP Approval of ICIAP	0 wks	199	Fri 5/27/16	Fri 5/27/16																																		
201	<b>9.8</b>	<b>Implement Beazer-Property Restrictive Covenant</b>	<b>47 wks</b>		<b>Mon 5/30/16</b>	<b>Fri 4/21/17</b>																																		
202	9.8.1	Draft Proprietary Controls Package	13 wks	200	Mon 5/30/16	Fri 8/26/16																																		
203	9.8.2	Submit Draft Proprietary Controls Package	0 wks	202	Fri 8/26/16	Fri 8/26/16																																		
204	9.8.3	Review and Updating	8 wks	203	Mon 8/29/16	Fri 10/21/16																																		
205	9.8.4	Update Title Search and Prepare Public Notice	8 wks	204	Mon 10/24/16	Fri 12/16/16																																		
206	9.8.5	Beazer Publish Public Notice	0 wks	205	Fri 12/16/16	Fri 12/16/16																																		
207	9.8.6	Public Comment Period	4.4 wks	206	Mon 12/19/16	Tue 1/17/17																																		
208	9.8.7	Address Comments and Execute Restrictive Covenant	5 wks	207	Wed 1/18/17	Tue 2/21/17																																		
209	9.8.8	Record Restrictive Covenant at Alacha County Clerk of Court	0 wks	208	Tue 2/21/17	Tue 2/21/17																																		
210	9.8.9	Prepare Final Proprietary Controls Package	8.6 wks	209	Wed 2/22/17	Fri 4/21/17																																		
211	9.8.10	Submit Final Proprietary Controls Package	0 wks	210	Fri 4/21/17	Fri 4/21/17																																		

Red text used for current tasks

Task  Milestone 

Summary 