

August 26, 2015

VIA EMAIL

Scott Miller Remedial Project Manager Superfund Remedial Branch, Section C U.S. Environmental Protection Agency, Region 4 61 Forsyth Street SW Atlanta, GA 30303-8909

Subject: October 2014 Monthly Progress Report (REVISED)

Dear Mr. Miller:

On behalf of Beazer East, Inc. (Beazer), attached is the **revised** October 2014 Monthly Progress Report for the Koppers portion of the Cabot/Koppers Superfund Site in Gainesville, Florida. There was a typo on the date for the first TIP DNAPL recovery event in Table 2. The actual date was 10/9/14 rather than the 10/14/14 reported. The schedule attached is the original schedule from November 2014 and has since been updated. If you have any questions or comments, please contact me.

Sincerely,

Gregory W. Council, P.E. Principal Engineer

Rusty Kestle, EPA CC: Kelsey Helton, FDEP John Mousa, 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, Community Technical Advisor Linda Paul, Koppers, Inc. Mitchell Brourman, TRMI Mike Slenska, TRMI Donna Kopach, TRMI Jim Erickson, Tetra Tech

October 2014 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.
- The bi-weekly passive NAPL recovery program continues at Upper Hawthorn monitoring wells: 2.8 gallons of NAPL were removed from Upper Hawthorn wells during the past month (3 recovery events). A total of 579 gallons have been removed since the start of the NAPL recovery program on June 19, 2004. Table 1 provides details of the NAPL recovery volumes by well and date.
- In addition, NAPL was removed from 25 temporary injection points (TIPs) installed in the Former Process Area as part of the In-Situ Geochemical Stabilization (ISGS) program (Table 2). This is a pilot demonstration for full scale design. Two NAPL recovery events were conducted during the month, resulting in a total of 112.4 gallons removed.
- NAPL was removed from five Upper Hawthorn recovery wells installed in the Former Process Area as part of the ISGS program (Table 3). Three NAPL recovery events were conducted during the month, resulting in 41.4 gallons removed.
- A total of 4,170,644 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 93.4 gallons per minute (gpm). The recovery for each component is listed below.
 - Surficial Aquifer
 - Perimeter Extraction Wells: 690,323 gallons
 - Former North Lagoon Drain: 458,120 gallons
 - Former Drip Track Drain: 470,262 gallons
 - Former Process Area Drain: 430,760 gallons
 - Former South Lagoon Drain: 474,340 gallons
 - Upper Floridan Extraction Wells
 - FW-6: 42,278 gallons
 - FW-21B: 105,562 gallons
 - FW-31BE: 1,000,850 gallons
 - FW-32BE: 498,149 gallons

Approximately 345 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 3,376,300 gallons. The remaining portion of the water, from Upper Floridan Aquifer wells, was treated and used for on-Property irrigation.

The Former South Lagoon and Former Process groundwater drain pumps were turned off for approximately 7.5 hours to pump and clean clarifiers and to treat backwash water.

3. Plans, Reports, Deliverables and Procedures Completed:

- Off-Property soil replacement at Blocks A-K of the Stephen Foster Neighborhood.
- Remedial Design/Remedial Action Status Update Meeting (EPA/Beazer) September 28, 2014.
- 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).
- Cleaned EW-2 flow meter twice.
- Cleaned EW-16.
- Replaced Former Process pump.
- Cleaned Former Process flow meter.
- Shipped 6 drums spent PPE, 32 drums spent carbon, 22 drums treatment sludge, and 12 drums DNAPL on October 28, 2014.
- Irrigation Breakthrough sampling on Oct 7, 2014.
- Stormwater sampling event Oct 31, 2014.
- On-property irrigation using treated groundwater from FW-6, FW-21B, FW-31BE, and FW-32BE.

4. Upcoming Actions:

- Completion of Off-Property Soil Replacement project on Nov 14, 2014.
- Pre-final inspection of the project on Nov 18, 2014.
- 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.
- Fourth quarter sampling event: Dec 1 5, 2014.

5. Schedule Status:

- The current remedial design schedule is attached.
- No significant delays were encountered during the reporting period.

6. Plan/Schedule Modifications:

• The schedule has been updated to reflect minor adjustments.

7. Community Involvement:

- Tetra Tech's Community Coordinator has been in touch with many residents and property owners in the Stephen Foster neighborhood, and has been working closely with the city's community coordinators for the Stephen Foster soil replacement work.
- Future community involvement activities will be coordinated with EPA.

Well ID	Total Last Month (gal) (2 events)	DNAPL Volume (gal)	DNAPL Volume (gal)	DNAPL Volume (gal)	Total This Month (gal)
	September 2014	10/2/2014	10/16/2014	10/31/2014	October 2014
HG-9S	0	Stain	Stain	Stain	0
HG-10S	0	Stain	Stain	Stain	0
HG-10D	0	Stain	Stain	Stain	0
HG-11S	0.6	0.3	0.3	0.3	0.9
HG-12S	0.6	0.35	0.3	0.3	0.95
HG-12D	0	ND	ND	ND	0
HG-15S	0.4	0.25	0.2	0.25	0.7
HG-16S	0.45	Stain	Stain	0.25	0.25
HG-16D	0	Stain	Stain	Stain	0
MW-22B	0	Stain	Stain	Stain	0
Total	2.05	0.9	0.8	1.1	2.8
Cumulative Total	575.86				578.66

Table 1. DNAPL Recovery - Hawthorn Group Monitoring Wells

ND - No DNAPL Detected

Well ID	Total Last Month (gal) (2 events)	DNAPL Volume (gal)	DNAPL Volume (gal)	Total This Month (gal)
	September 2014	10/9/2014	10/23/2014	October 2014
220N 180E	4.9	2.5	2.3	4.8
280N 380E	6.7	3.2	3.2	6.4
300N 180E	10.6	5.1	4.8	9.9
300N 420E	6.7	3.5	3.5	7
320N 220E	6	2.9	3.2	6.1
320N 300E	5.8	2.7	3.1	5.8
340N 340E	9.4	5.6	5.5	11.1
360N 280E	7.5	3.7	3.3	7
380N 340E	11.7	5.5	5.6	11.1
400N 380E	2.2	1.2	1.4	2.6
460N 340E	2.9	1.4	1.5	2.9
420N 345E *	8.8	4.0	4.4	8.4
220N 340E	1.8	1.2	1	2.2
240N 380E	2.9	1.4	1.5	2.9
340N 180E	0.5	1.5	1.8	3.3
320N 140E	1.2	0.7	0.6	1.3
300N 260E	2.2	1.0	1	2
360N 140E	0.4	0.3	0.3	0.55
400N 140E	0.5	0.2	0.2	0.4
200N 220E	1.4	0.8	0.8	1.55
280N 220E	2.1	1.0	1	2
360N 220E	2.5	1.4	1.3	2.7
280N 300E	2.7	1.4	1.4	2.8
360N 380E	8	3.5	3.3	6.8
Drip Track	0.8	0.3	0.5	0.8
Total	110.2			112.4

NP - Not Pumped

* Inside ISGS Pilot Test Area

Well ID	Total Last Month (gal) (2 events)	DNAPL Volume (gal)	DNAPL Volume (gal)	DNAPL Volume (gal)	Total This Month (gal)
	September 2014	10/1/2014	10/15/2014	10/29/2014	October 2014
M-38BE	0	NR	NR	NR	0
M-39BE	NR	NR	NR	NR	NR
M-40BE	NR	NR	NR	NR	NR
M-41BE	NR	NR	NR	NR	NR
M-42BE	NR	NR	NR	NR	NR
HG-36SE *	2.8	1.2	1	1.1	3.3
HG-37SE	5.1	2.4	2.4	2.5	7.3
HG-38SE	9.2	4.7	4.9	4.9	14.5
HG-39SE	5.9	2.8	2.8	2.8	8.4
HG-40SE	5.6	2.6	2.6	2.7	7.9
Total	28.6				41.4

Table 3. DNAPL ISGS Recovery Data - DNAPL Recovery Wells

NR - No Recovery

* Inside ISGS Pilot Test Area

			GAINESV	ILLE REMEDIAL DESI	IGN						
ID WBS Task Name	Duration Predecessors	Start	Finish	0tr 3 0tr 4 0tr 1	3 Otr 2 Otr	2014 3 Otr 4 Otr 1 Otr 2	2015	Otr 2 Otr 3	2016	2017 Qtr <u>3</u> Qtr 4 Qtr 1 Qtr	2 Otr 3 Otr
1 1 Consent Decree for RD/RA	23.8 wks	Thu 2/7/13	Wed 7/24/13								
2 1.1 US DOJ Lodges Donsent Decree with Court	0 days	Thu 2/7/13	Thu 2/7/13	•							
3 1.2 Public Comment on Consent Decree	4.6 wks	Wed 2/13/13	Fri 3/15/13								
4 1.3 Beazer Submittal: Project Coordinators, Supervising Contractor, Quality Management Plan	0 days	Fri 2/15/13	Fri 2/15/13	◆							
5 1.4 Court Enters Consent Decree Final	0 days	Tue 7/9/13	Tue 7/9/13	♦-	n l						
6 1.5 EPA Issues Authorization to Proceed with Remedial Design 7	0 days	Wed 7/24/13	Wed 7/24/13	•							
8 2 Remedial Design Work Plan (RDWP)	22.3 wks	Wed 7/24/13	Thu 12/26/13								
9 2.1 Prepare RDWP	43 days 6	Wed 7/24/13									
10 2.2 Beazer Submit RDWP	0 wks 9	Fri 9/20/13									
11 2.3 EPA Review and Comment RDWP	6.8 wks 10	Mon 9/23/13									
	4.3 wks 11	Fri 11/8/13									
· · · · · · · · · · · · · · · · · · ·						-					
13 2.5 Beazer Submit Responses and RDWP Version 2 14 2.6 EPA Review	0 wks 12	Mon 12/9/13 Mon 12/9/13									
	2.6 wks 13										
15 2.7 EPA Approval RDWP	0 wks 14	Thu 12/26/13	Thu 12/26/13								
17 3 Supporting Plans for RD/RA	32.2 wks	Fri 9/20/13			•						
18 3.5 Beazer Submit Health & Safety Plan	0 wks 10	Fri 9/20/13			♦ [†]						
19 3.2 Materials Management Plan	5 wks 10	Tue 4/1/14									
20 3.6 Stormwater Management Plan	5 wks 19FF	Tue 4/1/14									
21 3.7 Noise and Dust Control Plan	5 wks 19FF	Tue 4/1/14									
22 3.5 Equipment Decontamination Plan	5 wks 19FF	Tue 4/1/14									
23 3.6 Quality Assurance Project Plan (update)	4 wks	Mon 2/24/14	Fri 3/21/14								
24 3.7 Data Management Plan	3 wks 23	Mon 3/24/14	Fri 4/11/14			Ě I					
	00	T	No. 0/05/44								
26 4 Off-Property Soil Replacement (OU-5): DESIGN TRACK #1	69 wks	Tue 4/30/13									
27 4.1 Initial Identification of Remediation & Evaluation Parcels	0 wks	Tue 4/30/13		•							
28 4.2 Obtain Access Agreements for Surveys & Sampling	23 wks	Thu 5/2/13									
29 4.3 Community Information Session	0 wks	Thu 5/30/13									
30 4.4 Sampling for Refinement of Remediation Parcels (July 2013)	18.8 wks	Fri 7/19/13	Wed 11/27/13	•							
31 4.4.1 Proposal for Sampling (July 2013)	0 wks	Fri 7/19/13		•							
32 4.4.2 EPA Approval of Sampling	0 wks	Mon 7/22/13		4							
33 4.4.3 Sample Collection	2 days	Tue 7/30/13									
34 4.4.4 Analysis and Validation	6.2 wks 33	Thu 8/1/13									
35 4.4.5 Data Summary Report	10.8 wks 34		Wed 11/27/13								
36 4.4.6 Beazer Submit Data Summary and Fingerprinting Report	0 wks 35		Wed 11/27/13								
37 4.5 Pilot Home Soil Replacement	10.3 wks	Thu 9/26/13									
38 4.5.1 Survey	1.8 wks	Thu 9/26/13									
39 4.5.2 Design & Interview	3 wks 38	Wed 10/9/13									
40 4.5.3 Borrow Sampling	2 wks		Wed 10/23/13								
41 4.5.4 Sample Analysis	2 wks 40	Thu 10/24/13			🖌						
42 4.5.5 Pilot Plan	6 wks	Thu 9/26/13									
43 4.5.6 Submit Pilot Plan	0 wks 42,41	Wed 11/6/13									
44 4.5.7 Review	1 wk 43		Wed 11/13/13								
45 4.5.8 EPA Approval of Pilot Plan	0 wks 44		Wed 11/13/13								
46 4.5.9 Permitting	2 wks 45FF	Thu 10/31/13	Wed 11/13/13								
47 4.5.10 Pilot Implementation	3.3 wks 46,45	Thu 11/14/13	Fri 12/6/13								
48 4.6 Blocks A-I Remediation Design	42.4 wks	Mon 9/16/13									
49 4.6.1 Remedial Design Details	12.4 wks 35	Thu 11/28/13									
50 4.6.2 Submit RD Details	0 wks 49	Fri 2/21/14									
51 4.6.3 Review and Comment	0.8 wks 50	Mon 2/24/14	Thu 2/27/14								
52 4.6.4 Surveying & Interviews	34 wks	Mon 9/16/13	Fri 5/9/14								
53 4.6.5 Parcel Designs & Remediation Agreements	28 wks	Mon 12/2/13	Fri 6/13/14								
	1						1	1		1	1
Project File: RD Schedule 20141111 Red text used for current Date: Tue 11/11/14	tasks Task		Milestone 🔶	Sur	mmary 🖵	$\overline{\mathbf{\nabla}}$					
ige 1 of 4											

Project File: RD Schedule 2014111	1
Date: Tue 11/11/14	
Page 1 of 4	

					GAINESV	/ILLE REMEDIAL DES	IGN					
ID	WBS	Task Name	Duration Predecessors	Start	Finish	2013	3	2014		2015	2016	
54	4.6.6	Final Design and RAWP	19.6 wks	Fri 2/21/14	Tue 7/8/14		Qtr 2 Qtr 3		<u>ir 2 Qtr</u>	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 Qt
55	4.6.6.1	Submit Pre-Final Designs & RAWP: Blocks G & H	0 wks	Fri 2/21/14	Fri 2/21/14	4						
56	4.6.6.2		1 wk 55	Fri 2/21/14	Thu 2/27/14			↓				
57	4.6.6.3	5 11	0 wks	Fri 3/7/14	Fri 3/7/14							
58	4.6.6.4	Final Design and RAWP Approval: Blocks E&F	1 day 57	Fri 3/7/14	Fri 3/7/14			Ţ ↓				
59	4.6.6.5	2	0 wks	Thu 4/3/14	Thu 4/3/14							
60	4.6.6.6		2 days 59	Thu 4/3/14	Fri 4/4/14							
61	4.6.6.7	Submit Pre-Final Designs & RAWP: Block D	0 wks 59FF+4 wks	Wed 4/30/14								
62	4.6.6.8	-	0 wks 61	Wed 4/30/14 Wed 4/30/14								
63	4.6.6.9		0 wks 61FF+3.1 wks	Thu 5/22/14				•				
64	4.6.6.10		0.6 wks 63	Thu 5/22/14 Thu 5/22/14								
65	4.6.6.11		0 wks 63FF+3 wks	Thu 5/22/14 Thu 6/12/14								
		-		Thu 6/12/14 Thu 6/12/14				•				
66	4.6.6.12		0.6 wks 65									
67	4.6.6.13	•	0 wks 65FF+3.5 wks	Mon 7/7/14	Mon 7/7/14			*				
68	4.6.6.14		0.2 wks 67	Tue 7/8/14	Tue 7/8/14			I				
69	4.7	Sampling for Refinement of Remediation Parcels (Feb 2014)	24.8 wks	Wed 2/19/14	Tue 8/12/14			· · · · · · · · · · · · · · · · · · ·				
70	4.7.1		0.2 wks	Wed 2/19/14				F I				
71	4.7.2	· · · · · · · · · · · · · · · · · · ·	7.2 wks 70	Thu 2/20/14	Thu 4/10/14							
72	4.7.3	Data Summary Report Addendum	16 wks 71	Fri 4/11/14								
73	4.7.4	Beazer Submit Report Addendum	0 wks 72	Thu 7/31/14								
74	4.7.5	Call to discuss Report Addendum	0 wks 73	Tue 8/12/14	Tue 8/12/14	ŀ		. In the second s				
75	4.8	Blocks J & K Remediation Design	12.2 wks	Mon 6/2/14	Mon 8/25/14							
76	4.8.1	Access Agreements for Design	2 wks	Mon 6/2/14	Fri 6/13/14	-		•				
77	4.8.2	Surveying & Interviews	5 wks 76	Mon 6/16/14	Fri 7/18/14	-						
78	4.8.3	Preliminary Design	5 wks 77SS+1 wk	Mon 6/23/14	Fri 7/25/14	-						
79	4.8.4	Pre-Final Design and Access	7 wks 78SS+1 wk	Mon 6/30/14	Fri 8/15/14	-						
80	4.8.5	RAWP: Block J	0 wks	Fri 7/25/14	Fri 7/25/14	-						
81	4.8.6	Final Design & RAWP Approval: Block J	1 wk 80	Fri 7/25/14	Thu 7/31/14	-						
82	4.8.7	RAWP: Block K	0 days 79	Wed 8/20/14	Wed 8/20/14	-						
83	4.8.8	Final Design and RAWP Approval: Block K	4 days 82	Wed 8/20/14	Mon 8/25/14	-						
84	4.9	Community Meetings	16.4 wks	Fri 10/25/13	Tue 2/18/14	l l						
85	4.9.1	Community Meeting: Landscaping Workshop - City (Oct 26)	2 days	Fri 10/25/13	Mon 10/28/13	5						
86	4.9.2	Community Meeting (Jan 18 2014)	2 days	Fri 1/17/14	Mon 1/20/14	•						
87	4.9.3	Community Meeting (Feb 18 2014)	0 wks	Tue 2/18/14	Tue 2/18/14	-		•				
88						1						
89	5	Cutoff Wall and Stormwater Controls: DESIGN TRACK #2	70 wks	Tue 8/26/14	Mon 12/28/15	5						
90	5.1	Pre-Design Work Plan	16 wks 15	Tue 8/26/14	Mon 12/15/14			T				
91	5.2	Submit Pre-Design Work Plan	0 wks 90	Mon 12/15/14	Mon 12/15/14	-						
92	5.3	Review and Approval	4 wks 91	Tue 12/16/14	Mon 1/12/15	5						
93	5.4	EPA Approval of Pre-Design Work Plan	0 wks 92	Mon 1/12/15	Mon 1/12/15	5						
94	5.5	Pre-Design Investigation	11 wks 93	Tue 1/13/15	Mon 3/30/15	5						
95	5.6	Preliminary Design	6 wks 94	Tue 3/31/15	Mon 5/11/15	5						
96	5.7	Submit Preliminary Design	0 wks 95	Mon 5/11/15	Mon 5/11/15	5				$\mathbf{A}_{\mathbf{L}}$		
97	5.8	Review and Comment	6 wks 96	Tue 5/12/15	Mon 6/22/15	5						
98	5.9	Pre-Final Design	5 wks 97	Tue 6/23/15	Mon 7/27/15	5				Δ.		
99	5.10	Review and Comment	6 wks 98	Tue 7/28/15	Mon 9/7/15	5						
100	5.11	Final Design	5 wks 99	Tue 9/8/15	Mon 10/12/15	5						
101	5.12	Review	3 wks 100	Tue 10/13/15	Mon 11/2/15	5				Ť.		
102	5.13		0 wks 101	Mon 11/2/15		5				\mathbf{k}		
103	5.14		8 wks 102		Mon 12/28/15							
104	5.15	Submit RAWP	0 wks 103	Mon 12/28/15							*	
105												
106	6	In-Situ Geochemical Stabilization (ISGS): DESIGN TRACK #3	153.6 wks	Thu 2/7/13							•	
107	6.1	Process Area	107.4 wks	Thu 2/7/13	Fri 2/27/15							
Projec Date: Page 2	Tue 11/11	Schedule 20141111 Red text used for curre /14	ent tasks Task		Milestone 🔶	Su	mmary 🛡					

					GAINESV	ILLE REMEDIAL DESI	IGN						
ID	WBS	Task Name	Duration Predecessors	Start	Finish	2013 Otr 3 Otr 4 Otr 1	3 Otr 2 Otr 3	2014 3 Qtr 4 Qtr 1 Qtr 2	Qtr 3 Qtr 4	2015 4 Otr 1 Otr 2 O	2016 ttr 3 Qtr 4 Qtr 1 Qtr 2 Qt	2017 r 3 Qtr 4 Qtr 1 Qtr 2 0	Otr 3 Q
108	6.1.1	EPA Approval of ISGS Demonstration Work Plan (2012)	0 wks	Thu 2/7/13	Thu 2/7/13					<u></u>			
109	6.1.2		0 wks	Thu 2/7/13	Thu 2/7/13] ♦							
110	6.1.3		32 wks	Thu 2/7/13									
111	6.1.4	P	11.8 wks 110	Thu 9/19/13									
112	6.1.5	•	0 wks 111	Tue 12/10/13				-					
13	6.1.6		10 wks 112	Wed 12/11/13			📑						
14	6.1.7		0 wks		Wed 12/18/13		•	•					
15	6.1.8	, ,	15 wks 113	Mon 3/17/14									
	6.1.8.1		1 wk	Mon 3/17/14				\					
	6.1.8.2	-	3 wks 116	Mon 3/24/14									
	6.1.8.3		1 wk 117FS+10 wks										
19	6.1.9		0 wks	Thu 7/10/14		-		•					
	6.1.10 6.1.11		34 wks 117 0 wks 120	Mon 4/14/14 Fri 12/5/14	Fri 12/5/14 Fri 12/5/14								
	6.1.12		5 wks 120	Mon 12/8/14									
	6.1.13		3 wks 122	Mon 1/12/15									
	6.1.14		0 wks 123	Fri 1/30/15									
	6.1.14		4 wks 124	Mon 2/2/15									
	6.1.16		0 wks 125	Fri 2/27/15									
27	6.2		72 wks	Tue 9/2/14		4							
28	6.2.1	-	16 wks	Tue 9/2/14							•		
29	6.2.2		0 wks 128	Mon 12/22/14									
130	6.2.3	, , , , , , , , , , , , , , , , , , , ,	3 wks 129	Tue 12/23/14		4			1				
31	6.2.4	Installation of Borings and DNAPL Recovery Wells	8 wks 130	Tue 1/13/15	Mon 3/9/15								
32	6.2.5	5 Collection of Baseline Data	20 wks 131	Tue 3/10/15	Mon 7/27/15								
33	6.2.6	6 Pre-Final Design	6 wks 132	Tue 7/28/15	Mon 9/7/15								
34	6.2.7	7 Submit Pre-Final Design	0 wks 133	Mon 9/7/15	Mon 9/7/15					▲			
35	6.2.8	B Review and Comment	6 wks 134	Tue 9/8/15	Mon 10/19/15					<u> </u>			
36	6.2.9	5	4 wks 135		Mon 11/16/15								
	6.2.10	_	0 wks 136		Mon 11/16/15					•			
	6.2.11		4 wks 137		Mon 12/14/15	4							
	6.2.12		0 wks 138		Mon 12/14/15						◆ ↓		
	6.2.13		5 wks 139	Tue 12/15/15									
41 42	6.2.14	Submit RAWP	0 wks 140	Mon 1/18/16	Mon 1/18/16	-					•		
43	7	In-Situ Solidification/Stabilization (ISS/S): DESIGN TRACK #4	167 wks		Mon 11/13/17								
44	7.1	o o i	24 wks 15	Tue 9/2/14									
45	7.2	5 5 ,	0 wks 144	Mon 2/16/15									
46	7.3		8 wks 145	Tue 2/17/15		4				\			
47	7.4	5 5 7	38 wks 146	Tue 4/14/15									
48	7.5	•	12 wks 147	Tue 1/5/16									
49	7.6	•	0 wks 148	Mon 3/28/16									
50	7.7		8 wks 149	Tue 3/29/16									
51	7.8		13 wks 150	Tue 5/24/16									
52	7.9		13 wks 151	Tue 8/23/16		4 / /						,	
53 54	7.10		0 wks 152 10 wks 153	Mon 11/21/16 Tue 11/22/16									
54 55	7.11		13 wks 153	Tue 1/22/16 Tue 1/31/17							-		
55 56	7.12		10 wks 155	Tue 1/31/17 Tue 5/2/17									
57	7.13		6 wks 156	Tue 7/11/17									
58	7.14		4 wks 157	Tue 8/22/17		4							
59	7.16		0 wks 158	Mon 9/18/17									
60	7.17		8 wks 159	Tue 9/19/17									
61		3 Submit RAWP	0 wks 160		Mon 11/13/17								★
Project F Date: Tu Page 3 c	ie 11/1	D Schedule 20141111 Red text used for current 1/14	tasks Task		Milestone 🔶	Sun	mmary 🖵						

						GAINESV	ILLE	REMEDIAL DESI	GN						
ID	WBS	Task Name	Duration	Predecessors	Start	Finish		2013			2014			2015	0.0
162							Qtr	3 Qtr 4 Qtr 1	Qtr 2 C	tr 3 Qtr	4 Qtr 1 Qtr 2	Qtr	3 Qtr 4	Qtr 1	Qtr 2
163	8	Other Engineered Components: DESIGN TRACK #5	87 wk	5	Mon 6/1/15	Fri 1/27/17									
164	8.1	Pre-Design Work Plan	6 wk	S	Mon 6/1/15	Fri 7/10/15								·	
165	8.2	Submit Pre-Design Work Plan	0 wk	s 164	Fri 7/10/15	Fri 7/10/15									
166	8.3	Review and Approval	6 wk	s 165	Mon 7/13/15	Fri 8/21/15									
167	8.4	EPA Approval of Pre-Design Work Plan	0 wk	s 166	Fri 8/21/15	Fri 8/21/15								-	*
168	8.5	Pre-Design Investigation	26 wk	s 167	Mon 8/24/15	Fri 2/19/16									—
169	8.6	Preliminary Design	6 wk	s 168	Mon 2/22/16	Fri 4/1/16									
170	8.7	Submit Preliminary Design	0 wk	s 169	Fri 4/1/16	Fri 4/1/16									
171	8.8	Review and Comment	6 wk	s 170	Mon 4/4/16	Fri 5/13/16									
172	8.9	Pre-Final Design	13 wk	s 171	Mon 5/16/16	Fri 8/12/16									
173	8.10	Review and Comment	6 wk	s 172	Mon 8/15/16	Fri 9/23/16									
174	8.11	Final Design	6 wk	s 173	Mon 9/26/16	Fri 11/4/16									
175	8.12	Review	4 wk	s 174	Mon 11/7/16	Fri 12/2/16									
176	8.13	EPA Approval of Final Design	0 wk	s 175	Fri 12/2/16	Fri 12/2/16									
177	8.14	Prepare RAWP	8 wk	s 176	Mon 12/5/16	Fri 1/27/17									
178	8.15	Submit RAWP	0 wk	s 177	Fri 1/27/17	Fri 1/27/17	1								
179							1								
180	9	Institutional Control	123.3 wk	6	Tue 7/9/13	Wed 11/18/15									
181	9.1	Prepare Institutional Control Implementation and Assurance Plan (ICIAP)	6.8 wk	s 5	Tue 7/9/13	Fri 8/23/13									
182	9.2	Submit ICIAP	0 wk	s 181	Fri 8/23/13	Fri 8/23/13			*						
183	9.3	Review	12.5 wk	s 182	Mon 8/26/13	Wed 11/20/13	1								
184	9.4	Beazer Respond to Comments	54 wk	s 183	Wed 11/20/13	Wed 12/3/14	1								
185	9.5	Beazer Submit Responses & ICIAP Version 2	0 wk	s 184	Wed 12/3/14	Wed 12/3/14	1								
186	9.6	Review	3 wk	s 185	Wed 12/3/14	Wed 12/24/14	1								
187	9.7	EPA and FDEP Approval of ICIAP	0 wk	s 186	Wed 12/24/14	Wed 12/24/14	1								
188	9.8	Implement Beazer-Property Restrictive Covenant	47 wk	s	Wed 12/24/14	Wed 11/18/15	1								
189	9.8.1	Draft Proprietary Controls Package	13 wk	s 187	Wed 12/24/14	Wed 3/25/15	1								
190	9.8.2	Submit Draft Proprietary Controls Package	0 wk	s 189	Wed 3/25/15	Wed 3/25/15	1						A state		
191	9.8.3	Review and Updating	8 wk	s 190	Wed 3/25/15	Wed 5/20/15	1								
192	9.8.4	Update Title Search and Prepare Public Notice	8 wk	s 191	Wed 5/20/15	Wed 7/15/15	1								
193	9.8.5	Beazer Publish Public Notice	0 wk	s 192	Wed 7/15/15	Wed 7/15/15	1							▲	
194	9.8.6	Public Comment Period	4.4 wk	s 193	Wed 7/15/15	Fri 8/14/15									<u>h</u>
195	9.8.7	Address Comments and Exectute Restrictive Covenant	5 wk	s 194	Fri 8/14/15	Fri 9/18/15	1								
196	9.8.8	Record Restrictive Covenant at Alacha County Clerk of Court	0 wk	s 195	Fri 9/18/15	Fri 9/18/15	1								A
197	9.8.9	Prepare Final Proprietary Controls Package	8.6 wk	s 196	Fri 9/18/15	Wed 11/18/15	1								
198	9.8.10	Submit Final Proprietary Controls Package	0 wk	s 197	Wed 11/18/15	Wed 11/18/15	1								

