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August 23, 2010

Mr. Scott Miller **VIA EMAIL**
U.S. Environmental Protection Agency, Region IV
4WD-SRTMB
61 Forsyth Street, S.W.
Atlanta, Georgia 30303-3104

Subject: July 2010 Monthly Progress Report

Dear Mr. Miller:

On behalf of Beazer East, Inc. (Beazer), attached is the July 2010 Monthly Progress Report for the Cabot Carbon/Koppers Superfund Site in Gainesville, Florida, as required by 1991 Unilateral Administrative Order (UAO) and the 1994 UAO Amendment. If you have any questions or comments, please contact me.

Sincerely,



Gregory W. Council, P.E.
Principal Engineer

cc: Kelsey Helton, Florida DEP
John Mousa, Alachua County EPD
Rick Hutton, Gainesville Regional Utilities
John Herbert, Jones Edmunds
Linda Paul, Koppers
Mitchell Brourman, Beazer
Mike Slenska, Beazer
Donna Kopach, Beazer
Jim Erickson, GeoTrans
Guy Roemer, GeoTrans

July 2010
MONTHLY PROGRESS REPORT
Cabot Carbon/Koppers Superfund Site
Gainesville, Florida

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1. **Description of actions taken to comply with the Unilateral Administrative Order (March 1991) and estimate of the percentage of the RD/RA completed:**

   - Beazer's Operation and Maintenance (O&M) Contractor performed routine treatment plant operation and maintenance services for the ground water remedial system.
   - Actions related to the Second (2006) Five-Year Review recommendations are being performed through 2010.

2. **Summary of results of sampling and tests and all other data during the month:**

   - Instantaneous flow rates and totalizer volumes were measured in each extraction well.
   - Passive NAPL recovery continues: 3.95 gallons of NAPL were bailed from Upper Hawthorn wells during the past month (2 recovery events). A total of 397.96 gallons have been bailed since the start of the NAPL recovery program on June 19, 2004. The two-week recovery schedule was started October 25, 2005. The attached table provides details of the NAPL recovery volumes by well and date.
   - Based on influent-line flow meter data, a total of 2,507,546 gallons of ground water were recovered by the Surficial Aquifer drains and extraction well system during the past month (system run time of 719.8 hours). The water was treated and discharged to Gainesville Regional Utilities (GRU). There was an apparent error in one or more flow meter readings: see Sections 6 and 7 for more details. Based on the influent-line meters, the average recovery rate for the month was approximately 58.1 gallons per minute (gpm). The recovery rate for each component is listed below.
     - Perimeter Extraction Wells: 692,952 gallons
     - FW-6: 35,814 gallons
     - FW-21B: 96,970 gallons
     - FW-31BE: 671,106 gallons
     - Former North Lagoon Drain: 359,353 gallons
     - Former Drip Track Drain: 165,501 gallons
     - Former Process Area Drain: 152,887 gallons
     - Former South Lagoon Drain: 332,963 gallons

3. **Summary of all plans, reports, deliverables and procedures completed:**

   - Completed monthly maintenance check.
   - Inspected piezometers, extraction wells, piping, valves, treatment plant vessels and controls, buildings and grounds.
   - Drained and cleaned clarifier and treated backwater water at Former South Lagoon and Process Area Drains.

- Conducted three rounds of IRM groundwater sampling at Upper Floridan Aquifer well FW-31BE.
- Removed Former North and South Lagoon trench pumps and cleaned flowmeters.
- Repaired loose drive coupling on WWTP feed pump.
- Removed old chain hoist and installed new electric hoist.
- Submitted a revised Individual Industrial NPDES Stormwater Discharge Permit Application and *Preliminary Design Report for Interim Stormwater Controls* on July 21, 2010.

4. Projected work for the next month (August 2010) with schedule considerations:

- Please see the attached draft schedule. Note that this is a working schedule and is likely to change.
- Measure instantaneous flow rates and totalizer volumes for each extraction well.
- Continue NAPL removal from Hawthorn Group wells on a two-week schedule.
- Continue IRM groundwater sampling at FW-31BE.

5. Summary of problems or potential problems and actual or anticipated delays encountered during the month:

- The total effluent flowmeter that reports the amount of treated and discharged water to GRU read 3,498,000 gallons, or approximately 990,000 gallons more than the sum of the readings from the individual flowmeters this month listed in Section 2 of this report.

6. Actions being taken to rectify problems or delays:

- New flowmeters have been ordered.

7. Supplemental information:

- Please see the attached draft schedule. Note that this is a working schedule and is likely to change.

8. Changes in personnel during this month:

- None this reporting period.

Hawthorn Group Passive NAPL Recovery (Page 1 of 4)

Well / Date	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)	
6/19/2004	0.25		2.42		0.17		2.74		1.04		1.13		NM		1.08		NM		NM		–
7/7/2004	0.4		3.25		Stain		2.44		Stain		Stain		ND		0.75		ND		ND		–
7/20/2004	NM	0.1	3.24	0.8	ND	0	3.08	0.8	1.74	0.2	NM	Trace	NM	NM	1.74	0.1	NM	NM	NM	NM	2
8/3/2004	ND	0	3.29	0.3	ND	0	2.78	0.3	2.39	Trace	ND	0	ND	0	1.38	0.65	ND	0	ND	0	1.25
8/10/2004	ND	Trace	1.2	0.3	ND	0	2.69	0.4	2.25	0.5	NM	0	ND	0	0.5	0.2	ND	0	ND	0	1.4
8/17/2004	NM	0	3.03	0.7	NM	0	3.16	0.8	2.37	0.6	NM	0	ND	0	1.4	0.6	ND	0	ND	0	2.7
8/24/2004	NM	0	3.01	0.6	NM	Trace	1.27	0.4	0.39	0.3	NM	Trace	ND	0	1.24	0.3	ND	0	ND	0	1.6
8/31/2004	ND	0	2.87	0.2	ND	0	1.36	0.1	1.32	0.1	ND	0	ND	0	NM	0.1	ND	0	ND	0	0.5
9/8/2004	NM	0	2.09	0.6	NM	0	2.03	0.5	1.38	0.5	NM	0	ND	0	NM	0	ND	0	ND	0	1.6
9/14/2004	ND	0	3.21	0.5	NM	0	0.61	0.1	2.49	0.4	MN	0	1.94	0.3	1.9	0.3	ND	0	ND	0	1.6
9/21/2004	NM	0	2.76	0.6	NM	0	0.5	0.1	0.68	0.1	ND	0	NM	0	2.24	0.1	ND	0	ND	0	0.9
9/28/2004	ND	0	2.64	0.5	ND	0	1.88	0.2	1.15	0.2	NM	0	0.82	0.1	NM	0	ND	0	ND	0	1
10/5/2004	ND	0	4.85	0.8	Stain	0	1.3	0.25	1.6	0.3	ND	0	0.37	0.06	2.09	0.3	ND	0	ND	0	1.71
10/12/2004	ND	0	3.46	0.4	ND	0	3.12	0.4	1.88	0.3	ND	0	1.97	0.1	Stain	0.1	ND	0	ND	0	1.3
10/20/2004	ND	0	2.33	0.4	ND	0	2.58	0.4	1.27	0.2	ND	0	1.4	0.2	Stain	0.1	ND	0	ND	0	1.3
10/26/2004	ND	0	3.65	0.6	ND	0	3.94	0.6	1.89	0.3	ND	0	2.37	0.4	3.48	0.6	ND	0	ND	0	2.5
11/2/2004	ND	0	2.8	0.5	ND	0	3	0.5	2.4	0.4	ND	0	1.07	0.2	2.15	0.3	ND	0	ND	0	1.9
11/9/2004	ND	0	2.74	0.5	ND	0	2.16	0.4	2.51	0.4	ND	0	1.69	0.3	1.26	0.2	ND	0	ND	0	1.8
11/16/2004	ND	0	2.57	0.4	ND	0	2.38	0.4	1.37	0.2	ND	0	0.5	0.1	1.11	0.2	ND	0	ND	0	1.3
11/23/2004	Stain	0	3.16	0.5	Slt. Stain	0	3.23	0.5	1.86	0.3	ND	0	1.4	0.2	1.85	0.3	ND	0	ND	0	1.8
11/30/2004	ND	0	2.21	0.4	ND	0	3.77	0.6	2.2	0.4	ND	0	1.74	0.3	2.35	0.4	ND	0	ND	0	2.1
12/8/2004	ND	0	3.08	0.5	ND	0	3.24	0.5	1.8	0.3	ND	0	1.23	0.2	1.84	0.3	ND	0	ND	0	1.8
12/14/2004	ND	0	3.34	0.5	ND	0	3.92	0.6	2.16	0.3	ND	0	1.48	0.2	2.33	0.4	ND	0	ND	0	2
1/5/2005	ND	0	3.57	0.6	ND	0	5.51	0.9	2.8	0.4	ND	0	2.37	0.4	3.59	0.6	ND	0	ND	0	2.9
1/11/2005	ND	0	2.68	0.4	ND	0	3.41	0.6	1.82	0.3	ND	0	1.77	0.3	1.89	0.3	ND	0	ND	0	1.9
1/20/2005	ND	0	2.82	0.5	ND	0	3.03	0.5	1.63	0.3	ND	0	1.46	0.2	1.62	0.2	ND	0	ND	0	1.7
1/27/2005	ND	0	3.14	0.5	ND	0	3.73	0.6	2.04	0.3	ND	0	1.9	0.3	2.12	0.4	ND	0	ND	0	2.1
2/8/2005	ND	0	3.44	0.5	ND	0	4.77	0.8	2.57	0.4	ND	0	2.35	0.4	3.42	0.6	ND	0	ND	0	2.7
2/15/2005	ND	0	3.5	0.6	ND	0	5.38	0.9	2.85	0.5	ND	0	2.56	0.4	3.21	0.5	ND	0	ND	0	2.9
2/22/2005	ND	0	2.67	0.4	ND	0	3.69	0.6	2.05	0.3	ND	0	1.8	0.3	1.49	0.2	ND	0	ND	0	1.8
3/1/2005	ND	0	3.12	0.5	ND	0	4.43	0.7	2.45	0.4	ND	0	2.16	0.3	2.69	0.4	ND	0	ND	0	2.3
3/11/2005	ND	0	2.67	0.4	ND	0	3.48	0.6	1.9	0.3	ND	0	1.5	0.2	1.95	0.3	ND	0	ND	0	1.8
3/15/2005	ND	0	2.6	0.4	ND	0	3.57	0.6	1.87	0.3	ND	0	1.39	0.2	1.82	0.3	ND	0	ND	0	1.8
3/22/2005	ND	0	2.26	0.4	ND	0	3.5	0.6	2.06	0.3	ND	0	2.05	0.3	1.29	0.2	ND	0	ND	0	1.8
3/29/2005	ND	0	2	0.3	ND	0	2.38	0.4	2.1	0.3	ND	0	2.33	0.4	2.91	0.5	ND	0	ND	0	1.9
4/6/2005	ND	0	2.61	0.4	ND	0	2.74	0.4	1.4	0.2	ND	0	1.92	0.3	1.38	0.2	ND	0	ND	0	1.5
4/14/2005	ND	0	3.24	0.5	ND	0	3.29	0.5	1.37	0.2	ND	0	1.92	0.3	1.33	0.2	ND	0	ND	0	1.7
4/19/2005	ND	0	2.64	0.4	ND	0	3.34	0.5	1.75	0.3	ND	0	1.66	0.3	1.84	0.3	ND	0	ND	0	1.8
4/27/2005	ND	0	1.76	0.3	ND	0	1.98	0.3	1.59	0.3	ND	0	2.13	0.4	1.42	0.2	ND	0	ND	0	1.5
5/3/2005	ND	0	2.3	0.4	ND	0	2.77	0.4	1.32	0.2	ND	0	1.69	0.3	1.04	0.2	ND	0	ND	0	1.5
5/12/2005	ND	0	2.61	0.4	ND	0	3.22	0.5	1.86	0.3	ND	0	1.71	0.3	1.85	0.3	ND	0	ND	0	1.8
5/17/2005	ND	0	2.3	0.4	ND	0	2.75	0.4	1.61	0.3	ND	0	0.83	0.1	1.63	0.3	ND	0	ND	0	1.5
5/24/2005	ND	0	2.15	0.4	ND	0	1.58	0.3	2.33	0.4	ND	0	1.34	0.2	1.89	0.3	ND	0	ND	0	1.6
6/1/2005	ND	0	2.62	0.4	ND	0	2.36	0.4	1.04	0.2	ND	0	1.91	0.3	1.02	0.2	ND	0	ND	0	1.5
6/9/2005	ND	0	1.6	0.3	ND	0	1.97	0.3	1.11	0.2	ND	0	1.31	0.2	1.43	0.2	ND	0	ND	0	1.2
6/15/2005	ND	0	1.3	0.2	ND	0	1.57	0.3	1.17	0.2	ND	0	1.54	0.2	1.42	0.2	ND	0	ND	0	1.1
6/22/2005	ND	0	1.81	0.3	ND	0	1.62	0.3	1.65	0.3	ND	0	1.64	0.3	1.6	0.3	ND	0	ND	0	1.5
6/28/2005	ND	0	3.01	0.5	ND	0	3.21	0.5	1.12	0.2	ND	0	1.93	0.3	1.33	0.2	ND	0	ND	0	1.7
7/7/2005	ND	0	3.06	0.5	ND	0	0.87	0.1	2	0.3	ND	0	1.73	0.3	1.63	0.3	ND	0	ND	0	1.5
7/13/2005	ND	0	2.37	0.4	ND	0	1.98	0.3	1.2	0.2	ND	0	0.79	0.1	1.3	0.2	ND	0	ND	0	1.2
7/19/2005	ND	0	2.12	0.3	ND	0	1.71	0.3	1.02	0.2	ND	0	0.64	0.1	1.02	0.2	ND	0	ND	0	1.1
7/26/2005	ND	0	1.43	0.2	ND	0	0.87	0.1	0.76	0.1	ND	0	1.84	0.3	1.23	0.2	ND	0	ND	0	0.9
8/2/2005	ND	0	1.37	0.2	ND	0	0.76	0.1	0.62	0.1	ND	0	1.85	0.3	1.2	0.2	ND	0	ND	0	0.9

Hawthorn Group Passive NAPL Recovery (Page 2 of 4)

Well / Date	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)	
8/9/2005	ND	0	1.52	0.2	ND	0	0.65	0.1	0.98	0.2	ND	0	1.9	0.3	1.59	0.3	ND	0	ND	0	1.1
8/16/2005	ND	0	1.55	0.2	ND	0	0.62	0.1	0.86	0.1	ND	0	2.04	0.3	1.46	0.2	ND	0	ND	0	0.9
8/23/2005	ND	0	1.57	0.3	ND	0	0.83	0.1	1.06	0.2	ND	0	2.14	0.4	1.68	0.3	ND	0	ND	0	1.3
8/30/2005	ND	0	1.71	0.3	ND	0	1.17	0.2	1.11	0.2	ND	0	1.83	0.3	1.93	0.3	ND	0	ND	0	1.3
9/7/2005	ND	0	1.57	0.3	ND	0	1.1	0.2	1.03	0.2	ND	0	1.85	0.3	1.94	0.3	ND	0	ND	0	1.3
9/13/2005	ND	0	1.2	0.2	ND	0	1.02	0.2	0.76	0.1	ND	0	1.64	0.3	1.67	0.3	ND	0	ND	0	1.1
9/20/2005	ND	0	1.05	0.2	ND	0	0.96	0.2	0.61	0.1	ND	0	1.49	0.2	1.63	0.3	ND	0	ND	0	1
9/27/2005	ND	0	0.92	0.1	ND	0	1.17	0.2	1.22	0.2	ND	0	1.34	0.2	1.23	0.2	ND	0	ND	0	0.9
10/4/2005	ND	0	0.97	0.2	ND	0	1.06	0.2	1.16	0.2	ND	0	1.24	0.2	1.14	0.2	ND	0	ND	0	1
10/11/2005	ND	0	1.17	0.2	ND	0	0.99	0.2	1.06	0.2	ND	0	1.14	0.2	1.22	0.2	ND	0	ND	0	1
10/25/2005	ND	0	1.21	0.2	ND	0	1.17	0.2	1.1	0.2	ND	0	1.32	0.2	1.34	0.2	ND	0	ND	0	1
11/8/2005	ND	0	1.4	0.2	ND	0	1.24	0.2	1.22	0.2	ND	0	1.34	0.2	1.37	0.2	ND	0	ND	0	1
11/30/2005	ND	0	1.42	0.2	ND	0	1.28	0.2	1.17	0.2	ND	0	1.4	0.2	1.45	0.2	ND	0	ND	0	1
12/14/2005	ND	0	1.43	0.2	ND	0	1.33	0.2	2.95	0.5	ND	0	1.53	0.2	1.39	0.2	ND	0	ND	0	1.3
1/3/2006	ND	0	1.59	0.3	ND	0	1.57	0.3	3.15	0.5	ND	0	1.7	0.3	1.5	0.2	ND	0	ND	0	1.6
1/19/2006	ND	0	3.76	0.6	stain	0	3.25	0.5	3.98	0.6	ND	0	3.01	0.5	2.85	0.5	ND	0	ND	0	2.7
2/10/2006	ND	0	3.01	0.5	ND	0	2.68	0.4	3.65	0.6	ND	0	2.8	0.5	2.59	0.4	ND	0	ND	0	2.4
2/23/2006	ND	0	3.08	0.5	ND	0	2.73	0.4	3.2	0.5	ND	0	2.84	0.5	2.68	0.4	ND	0	ND	0	2.3
3/7/2006	ND	0	2.61	0.4	ND	0	2.68	0.4	3.46	0.6	ND	0	2.02	0.3	2.49	0.4	ND	0	ND	0	2.1
3/21/2006	ND	0	2.46	0.4	ND	0	2.55	0.4	3.35	0.5	ND	0	1.74	0.3	2.22	0.4	ND	0	ND	0	2
4/4/2006	ND	0	2.26	0.4	ND	0	1.67	0.3	1.87	0.3	ND	0	2.3	0.4	2.23	0.4	ND	0	ND	0	1.8
4/18/2006	ND	0	2.15	0.4	ND	0	2.38	0.4	2.74	0.4	ND	0	2.34	0.4	2.48	0.4	ND	0	ND	0	2
5/3/2006	ND	0	2.01	0.3	ND	0	2.46	0.4	2.5	0.4	ND	0	2.34	0.4	2.99	0.5	ND	0	ND	0	2
5/17/2006	ND	0	5.64	0.9	ND	0	5.64	0.9	6	1	ND	0	6.74	1.1	5.82	0.9	ND	0	ND	0	4.8
5/30/2006	ND	0	3.12	0.5	ND	0	2.75	0.4	3.06	0.5	ND	0	2.43	0.4	2.45	0.4	ND	0	ND	0	2.2
6/15/2006	ND	0	3.27	0.5	ND	0	2.87	0.5	3.12	0.5	ND	0	2.58	0.4	2.59	0.4	ND	0	ND	0	2.3
6/27/2006	ND	0	2.8	0.5	ND	0	1.87	0.3	2.55	0.4	ND	0	2.34	0.4	1.99	0.3	ND	0	ND	0	1.9
7/13/2006	ND	0	2.96	0.5	ND	0	2.08	0.3	2.67	0.4	ND	0	2.5	0.4	2.23	0.4	ND	0	ND	0	2
7/25/2006	ND	0	3.07	0.5	ND	0	1.98	0.3	2.73	0.4	ND	0	2.6	0.4	2	0.3	ND	0	ND	0	1.9
8/8/2006	ND	0	2.26	0.4	ND	0	1.98	0.3	2.31	0.4	ND	0	2.01	0.3	2.05	0.3	ND	0	ND	0	1.7
8/22/2006	ND	0	2.11	0.3	ND	0	2.18	0.4	2.36	0.4	ND	0	2.28	0.4	2.31	0.4	ND	0	ND	0	1.9
9/5/2006	ND	0	2.26	0.4	ND	0	2.14	0.3	2.56	0.4	ND	0	2.46	0.4	2.43	0.4	ND	0	ND	0	1.9
9/19/2006	ND	0	2.47	0.4	ND	0	2.28	0.4	2.62	0.4	ND	0	2.66	0.4	2.49	0.4	ND	0	ND	0	2
10/3/2006	ND	0	2.51	0.4	ND	0	2.31	0.4	2.59	0.4	ND	0	2.7	0.4	2.62	0.4	ND	0	ND	0	2
10/17/2006	ND	0	2.56	0.4	ND	0	2.33	0.4	2.62	0.4	ND	0	2.71	0.4	2.54	0.4	ND	0	ND	0	2
10/31/2006	ND	0	2.41	0.4	ND	0	2.24	0.4	2.56	0.4	ND	0	2.64	0.4	2.49	0.4	ND	0	ND	0	2
11/14/2006	ND	0	2.57	0.4	ND	0	2.29	0.4	2.67	0.4	ND	0	2.7	0.4	2.54	0.4	ND	0	ND	0	2
11/28/2006	ND	0	1.92	0.3	ND	0	2.19	0.4	2.12	0.4	ND	0	2.52	0.4	2.23	0.4	ND	0	ND	0	1.9
12/12/2006	ND	0	1.97	0.3	ND	0	2.24	0.4	2.16	0.4	ND	0	2.54	0.4	2.26	0.4	ND	0	ND	0	1.9
12/27/2006	ND	0	2.1	0.3	ND	0	2.38	0.4	2.22	0.4	ND	0	2.6	0.4	2.24	0.4	ND	0	ND	0	1.9
1/10/2007	ND	0	2.31	0.4	ND	0	2.64	0.4	2.36	0.4	ND	0	2.75	0.4	2.34	0.4	ND	0	ND	0	2
1/23/2007	ND	0	2.37	0.4	ND	0	2.79	0.4	2.42	0.4	ND	0	2.71	0.4	2.4	0.4	ND	0	ND	0	2
2/6/2007	ND	0	2.42	0.4	ND	0	2.74	0.4	2.46	0.4	ND	0	2.65	0.4	2.46	0.4	ND	0	ND	0	2
2/20/2007	ND	0	2.48	0.4	ND	0	2.67	0.4	2.47	0.4	ND	0	2.56	0.4	2.49	0.4	ND	0	ND	0	2
3/6/2007	ND	0	2.52	0.4	ND	0	2.61	0.4	2.45	0.4	ND	0	2.65	0.4	2.54	0.4	ND	0	ND	0	2
3/20/2007	ND	0	2.31	0.4	ND	0	2.6	0.4	2.45	0.4	ND	0	2.53	0.4	2.47	0.4	ND	0	ND	0	2
4/3/2007	ND	0	2.42	0.4	ND	0	2.55	0.4	2.5	0.4	ND	0	2.5	0.4	2.49	0.4	ND	0	ND	0	2
4/17/2007	ND	0	2.52	0.4	ND	0	2.61	0.4	2.45	0.4	ND	0	2.56	0.4	2.43	0.4	ND	0	ND	0	2
5/9/2007	ND	0	3.51	0.6	ND	0	4.14	0.7	3.65	0.6	ND	0	3.64	0.6	3.92	0.6	ND	0	ND	0	3.1
5/31/2007	ND	0	2.11	0.3	ND	0	3.63	0.6	3.2	0.5	ND	0	2.83	0.5	2.47	0.4	ND	0	ND	0	2.3
6/12/2007	ND	0	1.97	0.3	ND	0	2.77	0.4	2.62	0.4	ND	0	2.3	0.4	2.03	0.3	ND	0	ND	0	1.8
6/26/2007	stain	0	2.07	0.3	stain	0	3.63	0.6	4.05	0.7	ND	0	2.8	0.4	2.49	0.4	ND	0	ND	0	2.4
7/10/2007	Trace	0	1.81	0.5	ND	0	11.64	1	7.04	1.25	ND	0	8.87	1.25	4.73	0.5	ND	0	ND	0	4.5

Hawthorn Group Passive NAPL Recovery (Page 3 of 4)

Well / Date	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)	
7/26/2007	stain	0	1.95	0.25	stain	0	12.45	2.75	7.45	1	ND	0	7.58	0.6	3.98	0.25	ND	0	ND	0	4.85
8/8/2007	stain	0	1.13	0.25	stain	0	12.38	2.5	7.05	1	ND	0	10.14	0.75	3.68	0.25	ND	0	ND	0	4.75
8/21/2007	stain	0	2.23	0.25	stain	0	10.34	2.25	5.98	1.25	ND	0	11.51	0.75	2.27	0.25	ND	0	ND	0	4.75
9/5/2007	stain	0	2	1.25	stain	0	7.7	1.5	5.31	1	ND	0	12.54	1	4.64	0.5	ND	0	ND	0	5.25
9/19/2007	stain	0	0.42	0.2	stain	0	2.98	0.4	2.97	0.3	ND	0	2.5	0.4	0.54	0.1	ND	0	ND	0	1.4
10/3/2007	stain	0	1.02	0.1	stain	0	7.6	1.5	4.53	0.75	ND	0	15.75	0.75	6.07	1.5	ND	0	ND	0	4.6
10/16/2007	stain	0	1.45	0.25	stain	0	6.46	0.5	4.61	0.25	ND	0	14.36	2	3.39	1	ND	0	ND	0	4
10/30/2007	stain	0	1.05	0.25	stain	0	5.18	0.6	3.12	0.5	ND	0	9.26	1.75	1.65	0.6	ND	0	ND	0	3.7
11/13/2007	stain	0	1.61	0.3	stain	0	5.04	0.8	3.01	0.4	ND	0	8.84	1.5	1.74	0.65	ND	0	ND	0	3.65
11/28/2007	stain	0	1.16	0.2	stain	0	5.24	0.85	2.95	0.4	ND	0	8.59	1.5	1.44	0.4	ND	0	ND	0	3.35
12/11/2007	stain	0	1.82	0.25	stain	0	4.88	0.65	2.98	0.4	ND	0	8.75	1.7	1.22	0.3	ND	0	ND	0	3.3
12/28/2007	stain	0	2.14	0.3	stain	0	5.4	0.8	3.39	0.5	ND	0	8.8	1.6	2.44	0.3	ND	0	ND	0	3.5
1/9/2008	stain	0	2.07	0.3	stain	0	4.81	0.8	3.76	0.5	ND	0	8.75	1.4	1.33	0.3	ND	0	ND	0	3.3
1/21/2008	stain	0	1.91	0.2	stain	0	4.64	0.6	2.86	0.4	ND	0	8.77	1.4	2.36	0.4	ND	0	ND	0	3
2/5/2008	stain	0	2.06	0.25	stain	0	5	1	3.18	0.5	ND	0	8.7	1.3	2.34	0.3	ND	0	ND	0	3.35
2/19/2008	ND	0	2.26	0.2	stain	0	4.45	0.9	3.26	0.5	ND	0	8.76	1.3	2.62	0.4	ND	0	ND	0	3.3
3/4/2008	stain	0	NM	0	NM	0	4.27	0.7	3.24	0.5	ND	0	8.24	1.25	2.53	0.3	ND	0	ND	0	2.75
3/20/2008	stain	0	NM	0	NM	0	4.5	0.9	3.16	0.4	ND	0	8.51	1.25	2.35	0.4	ND	0	ND	0	2.95
4/1/2008	stain	0	NM	0	NM	0	4.04	0.6	2.93	0.5	ND	0	7.95	1.2	2.42	0.4	ND	0	ND	0	2.7
4/16/2008	stain	0	NM	0	NM	0	4.43	0.7	2.72	0.4	ND	0	8.04	1.2	1.95	0.4	ND	0	ND	0	2.7
4/29/2008	stain	0	NM	0	NM	0	4.27	0.75	2.57	0.4	ND	0	8.29	1.1	1.56	0.4	ND	0	ND	0	2.65
5/13/2008	stain	0	NM	0	NM	0	4	0.75	2.79	0.5	ND	0	8.1	1.2	1.79	0.3	ND	0	ND	0	2.75
5/27/2008	stain	0	NM	0	NM	0	3.98	0.9	2.58	0.4	ND	0	7.9	1.2	1.57	0.3	ND	0	ND	0	2.8
6/10/2008	stain	0	NM	0	NM	0	3.84	0.7	2.72	0.4	ND	0	7.94	1.2	1.43	0.4	ND	0	ND	0	2.7
6/24/2008	stain	0	NM	0	NM	0	3.91	0.6	2.52	0.4	ND	0	7.76	1.1	1.42	0.3	ND	0	ND	0	2.4
7/10/2008	stain	0	NM	0	NM	0	3.99	0.7	3.15	0.4	ND	0	7.73	1	1.89	0.4	ND	0	ND	0	2.5
7/24/2008	stain	0	NM	0	NM	0	5.39	0.9	3.26	0.5	ND	0	8.38	1.1	1.83	0.3	ND	0	ND	0	2.8
8/7/2008	stain	0	NM	0	NM	0	4.38	0.75	2.85	0.3	ND	0	8.38	1.1	1.44	0.4	ND	0	ND	0	2.55
8/19/2008	stain	0	NM	0	NM	0	3.76	0.7	2.83	0.4	ND	0	8.27	1.1	1.16	0.3	ND	0	ND	0	2.5
9/3/2008	stain	0	stain	0	stain	0	4.34	0.7	2.83	0.4	ND	0	8.35	1.1	1.26	0.25	ND	0	ND	0	2.45
9/16/2008	stain	0	stain	0	stain	0	3.98	0.75	2.79	0.4	ND	0	8.6	1	1.32	0.25	ND	0	ND	0	2.4
9/30/2008	stain	0	0.59	0.1	stain	0	3.9	0.7	3.03	0.3	ND	0	7.97	1.1	1.39	0.3	ND	0	ND	0	2.5
10/14/2008	stain	0	1.17	0.1	stain	0	4.04	0.75	2.68	0.4	ND	0	7.96	1.1	1.52	0.3	ND	0	ND	0	2.65
10/28/2008	stain	0	1.37	0.2	stain	0	3.92	0.7	2.73	0.35	ND	0	7.88	1	1.4	0.3	ND	0	ND	0	2.55
11/11/2008	stain	0	1.48	0.2	stain	0	3.9	0.7	2.78	0.35	ND	0	8.15	1	1.33	0.25	ND	0	ND	0	2.5
11/25/2008	stain	0	1.35	0.2	stain	0	3.79	0.75	2.37	0.4	ND	0	7.84	1.1	1.04	0.25	ND	0	ND	0	2.7
12/13/2008	stain	0	1.43	0.2	stain	0	3.99	0.7	2.66	0.4	ND	0	7.97	1.2	1.13	0.2	ND	0	ND	0	2.7
12/23/2008	stain	0	1.38	0.2	stain	0	3.68	0.7	2.17	0.4	ND	0	8.34	0.8	1.12	0.2	ND	0	ND	0	2.3
1/6/2009	stain	0	1.18	0.2	stain	0	3.94	0.7	2.56	0.4	ND	0	8.11	1	1.29	0.2	ND	0	ND	0	2.5
1/20/2009	stain	0	1.44	0.25	stain	0	4.2	0.75	2.72	0.4	ND	0	8.07	0.9	0.94	0.2	ND	0	ND	0	2.5
2/3/2009	stain	0	3.77	0.2	stain	0	5.33	0.7	3.89	0.4	ND	0	9.33	0.9	3.29	0.25	ND	0	ND	0	2.45
2/18/2009	stain	0	1.49	0.25	stain	0	3.63	0.75	2.46	0.45	ND	0	7.96	0.9	1.32	0.2	ND	0	ND	0	2.55
3/4/2009	stain	0	1.99	0.25	stain	0	3.59	0.6	2.6	0.4	ND	0	7.74	1	1.03	0.2	ND	0	ND	0	2.45
3/17/2009	NM	0	NM	0	NM	0	NM	0	NM	0	NM	0	7.55	1	NM	0	NM	0	NM	0	1
3/18/2009	stain	0	1.89	0.25	stain	0	3.77	0.7	2.47	0.4	ND	0	6.18	0.65	0.97	0.15	ND	0	ND	0	2.15
3/31/2009	stain	0	1.81	0.2	stain	0	3.89	0.7	2.38	0.4	ND	0	6.94	0.9	0.94	0.1	ND	0	ND	0	2.3
4/14/2009	stain	0	1.5	0.3	stain	0	3.74	0.8	2.22	0.3	ND	0	6.6	0.9	1.09	0.1	ND	0	ND	0	2.4
5/1/2009	stain	0	1.54	0.3	stain	0	4.03	0.6	2.1	0.3	ND	0	6.74	0.75	1.27	0.2	ND	0	ND	0	2.15
5/15/2009	stain	0	1.6	0.25	stain	0	3.77	0.7	2.16	0.4	ND	0	7.2	0.75	1.02	0.2	ND	0	ND	0	2.3
5/27/2009	stain	0	1.41	0.3	stain	0	3.54	0.65	2.02	0.4	ND	0	6.75	0.95	0.82	0.3	ND	0	ND	0	2.6
6/9/2009	stain	0	1.5	0.3	stain	0	4	0.7	2.12	0.4	ND	0	6.99	1	0.86	0.3	ND	0	ND	0	2.7
6/25/2009	stain	0	1.54	0.3	stain	0	3.96	0.75	1.96	0.5	ND	0	7.43	0.8	0.63	0.25	ND	0	ND	0	2.6
7/9/2009	stain	0	1.71	0.3	stain	0	3.82	0.7	2.39	0.4	ND	0	7.13	0.9	0.91	0.1	ND	0	ND	0	2.4

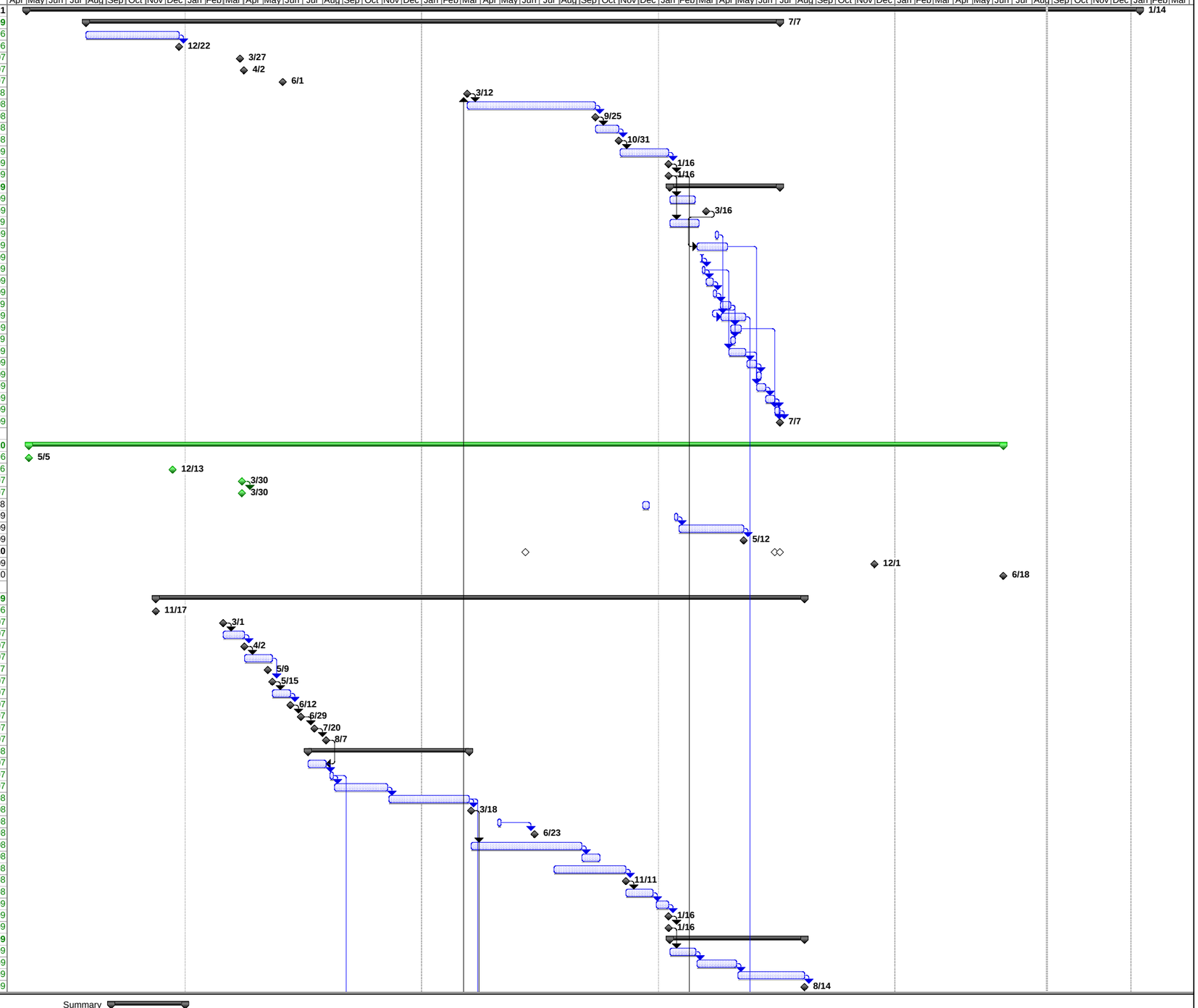
Hawthorn Group Passive NAPL Recovery (Page 4 of 4)

Well / Date	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)	
7/24/2009	stain	0	1.95	0.25	stain	0	3.98	0.7	3.25	0.3	ND	0	6.78	1	0.97	0.1	ND	0	ND	0	2.35
8/6/2009	stain	0	1.83	0.25	stain	0	3.42	0.8	2.95	0.5	ND	0	7.36	1.1	1.03	0.2	ND	0	ND	0	2.85
8/20/2009	stain	0	1.87	0.3	stain	0	3.43	0.8	2.42	0.5	ND	0	7.93	1.1	1.07	0.2	stain	0	ND	0	2.9
9/3/2009	stain	0	1.81	0.3	stain	0	2.84	0.8	2.06	0.3	ND	0	7.04	1	0.92	0.1	stain	0	ND	0	2.5
9/16/2009	stain	0	1.53	0.3	stain	0	2.7	0.7	2.23	0.35	ND	0	6.73	0.8	1.05	0.15	stain	0	ND	0	2.3
9/30/2009	stain	0	2.1	0.3	stain	0	2.66	0.6	2.51	0.4	ND	0	6.69	0.9	1.13	0.2	stain	0	ND	0	2.4
10/21/2009	stain	0	2.83	0.3	stain	0	2.69	0.65	2.96	0.5	ND	0	6.94	1.05	1.21	0.2	stain	0	NM	0	2.7
11/5/2009	stain	0	3.01	0.3	stain	0	2.91	0.6	2.86	0.6	ND	0	6.75	2.1	1.33	0.2	stain	0	NM	0	3.8
11/18/2009	stain	0	1.88	0.3	stain	0	2.78	0.6	2.78	0.4	ND	0	5.15	1.6	1.57	0.2	stain	0	NM	0	3.1
12/1/2009	stain	0	1.7	0.2	stain	0	2.54	0.6	2.92	0.45	ND	0	4	1	1.03	0.1	stain	0	NM	0	2.35
12/17/2009	stain	0	1.59	0.2	stain	0	2.69	0.5	2.79	0.5	ND	0	3.9	1	1.55	0.2	stain	0	NM	0	2.4
12/31/2009	stain	0	2.08	0.3	stain	0	2.54	0.6	2.74	0.4	ND	0	3.6	0.9	0.93	0.1	stain	0	NM	0	2.3
1/14/2010	stain	0	1.98	0.25	stain	0	2.38	0.6	3.03	0.4	ND	0	3.57	0.9	1.2	0.2	stain	0	NM	0	2.35
1/26/2010	stain	0	1.55	0.2	stain	0	2.39	0.5	2.06	0.3	ND	0	NA	0.65	1.06	0.1	stain	0	NM	0	1.75
2/10/2010	stain	0	1.51	0.1	stain	0	2.45	0.4	2.93	0.3	ND	0	3.33	0.65	1.15	0.1	stain	0	NM	0	1.55
2/25/2010	stain	0	1.8	0.25	stain	0	2.54	0.4	2.73	0.3	ND	0	3.13	0.4	0.95	0.1	stain	0	NM	0	1.45
3/10/2010	stain	0	1.97	0.25	stain	0	2.32	0.4	2.43	0.4	ND	0	4.14	0.5	1.26	0.2	stain	0	NM	0	1.75
3/29/2010	stain	0	2.35	0.3	stain	0	2.74	0.6	2.93	0.4	ND	0	5.17	0.75	0.93	0.1	stain	0	NM	0	2.15
4/14/2010	stain	0	1.6	0.2	stain	0	2.69	0.6	2.15	0.45	ND	0	5.29	0.9	0.97	0.1	stain	0	NM	0	2.25
4/29/2010	stain	0	2.06	0.3	stain	0	2.61	0.45	2.98	0.5	ND	0	5.65	1	1.53	0.2	stain	0	NM	0	2.45
5/14/2010	stain	0	1.36	0.2	stain	0	2.54	0.4	3.03	0.4	ND	0	5.43	0.8	1.05	0.1	stain	0	NM	0	1.9
5/26/2010	stain	0	1.82	0.15	stain	0	2.38	0.5	3.15	0.5	ND	0	5.2	0.75	1.87	0.2	stain	0	NM	0	2.1
6/10/2010	stain	0	2.01	0.25	stain	0	2.33	0.45	3.05	0.45	ND	0	5.1	0.8	1.47	0.15	stain	0	NM	0	2.1
6/24/2010	stain	0	1.18	0.15	stain	0	2.27	0.45	2.83	0.4	ND	0	5.14	0.8	1.5	0.2	stain	0	NM	0	2
7/8/2010	stain	0	1.32	0.25	stain	0	2.28	0.4	2.9	0.4	ND	0	4.9	0.75	1.88	0.1	stain	0	NM	0	1.9
7/21/2010	stain	0	1.5	0.2	stain	0	2.14	0.4	3.06	0.5	ND	0	4.8	0.8	1.05	0.15	stain	0	NM	0	2.05
Total Removed		0.1		58.00		0.0		100.85		71.05		0.0		113.21		54.75		0.0		0.0	397.96

Notes:
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

Cabot Carbon/Koppers Site: Combined Beazer USEPA Schedule (DRAFT FOR DISCUSSION)

ID	Task Name	Duration	Start	Finish
1	**Complete 2006 5-Year Review Tasks**	**1204 days**	**Mon 5/1/06**	**Fri 1/14/11**
2	**Recmnd. #1 - Evaluate Surficial Aquifer Extraction System**	**746 days**	**Tue 8/1/06**	**Tue 7/7/09**
3	Beazer Evaluation	104 days	Tue 8/1/06	Fri 12/22/06
4	Beazer Evaluation Submittal (12/22/06 letter)	0 days	Fri 12/22/06	Fri 12/22/06
5	GRU Comments Transmittal (3/27/07 letter)	0 days	Tue 3/27/07	Tue 3/27/07
6	USEPA Comments Transmittal (4/2/07 email)	0 days	Mon 4/2/07	Mon 4/2/07
7	Phone Conference: O'Steen/Erickson, After Surficial Resample	0 days	Fri 6/1/07	Fri 6/1/07
8	Discuss Surficial Results - Implications on Extraction System	0 days	Wed 3/12/08	Wed 3/12/08
9	Beazer Prepare Plan for Extraction System & Monitoring	139 days	Wed 3/12/08	Thu 9/25/08
10	Beazer Submit Plan	0 days	Thu 9/25/08	Thu 9/25/08
11	USEPA/Stakeholder Review	26 days	Fri 9/26/08	Fri 10/31/08
12	USEPA Comment Letter	0 days	Fri 10/31/08	Fri 10/31/08
13	Beazer Prepare Responses and Revise Workplan	49 days	Mon 11/3/08	Fri 1/16/09
14	Beazer Submit Revised Workplan	0 days	Fri 1/16/09	Fri 1/16/09
15	USEPA Approval of Work Plan	0 days	Fri 1/16/09	Fri 1/16/09
16	**Surficial Aquifer Extraction System Modification**	**120 days**	**Mon 1/19/09**	**Tue 7/7/09**
17	Contracting	29 days	Mon 1/19/09	Thu 2/26/09
18	Dischrge Permit Notification	0 days	Mon 3/16/09	Mon 3/16/09
19	Design & Logistics	33 days	Mon 1/19/09	Wed 3/4/09
20	Koppers Excavation	5 days	Mon 3/30/09	Fri 4/3/09
21	Treatment Plant Equipment procurement	7 wks	Mon 3/2/09	Fri 4/17/09
22	Mobilization	1 day	Mon 3/9/09	Mon 3/9/09
23	Site Preparation	4 days	Tue 3/10/09	Fri 3/13/09
24	Build Stockpile/Solidifying Area	9 days	Mon 3/16/09	Thu 3/26/09
25	Platform / Pretrench	3 days	Fri 3/27/09	Tue 3/31/09
26	One Pass Trenching	12 days	Tue 4/7/09	Wed 4/22/09
27	Haul Spoils & Solidify	28 days	Wed 4/8/09	Fri 5/15/09
28	Utility Piping	12 days	Thu 4/23/09	Fri 5/8/09
29	Haul Solidified Matl & Place in Trench	5 days	Thu 4/23/09	Wed 4/29/09
30	Treatment Plant Pad	20 days	Mon 4/20/09	Fri 5/15/09
31	General clean up	10 days	Mon 5/18/09	Mon 6/1/09
32	Demobilization	5 days	Tue 6/2/09	Mon 6/8/09
33	Treatment Plant Equipment Installation	10 days	Tue 6/2/09	Mon 6/15/09
34	Treatment Plant Testing	10 days	Tue 6/16/09	Mon 6/29/09
35	System testing	5 days	Tue 6/30/09	Tue 7/7/09
36	Operation commencement	0 days	Tue 7/7/09	Tue 7/7/09
37				
38	**Recmnd. #2 - Sediment and Surface Water Sampling**	**1049 days**	**Fri 5/5/06**	**Fri 6/18/10**
39	ACEPD Off-Site Sediment Data 1994-2000 Transmittal	0 days	Fri 5/5/06	Fri 5/5/06
40	ACEPD Off-Site Water/Sediment Data Sep 2006 Transmittal	0 days	Wed 12/13/06	Wed 12/13/06
41	Beazer Soil & Sediment Data Summary Report Submittal (3/30/07)	0 days	Fri 3/30/07	Fri 3/30/07
42	**RECOMMENDATION RESPONSE COMPLETED**	0 days	Fri 3/30/07	Fri 3/30/07
43	ACEPD Sediment Reconaissance Investigation	8 days	Mon 12/8/08	Wed 12/17/08
44	ACEPD Sediment Sampling (Beazer Split Samples)	5 days	Mon 1/26/09	Fri 1/30/09
45	ACEPD & Beazer Analysis of Results	72 days	Mon 2/2/09	Tue 5/12/09
46	ACEPD Sediment Sampling Report	0 days	Tue 5/12/09	Tue 5/12/09
47	**ACEPD Stormwater Sampling**	**441 days**	**Tue 6/10/08**	**Thu 3/11/10**
53	ACEPD Stormwater Quality Report	0 days	Tue 12/1/09	Tue 12/1/09
54	ACEPD Supplemental Stormwater Quality Report	0 days	Fri 6/18/10	Fri 6/18/10
55				
56	**Recmnd. #3 - Hawthorn Investigation**	**696 days**	**Fri 11/17/06**	**Fri 8/14/09**
57	Beazer Updated Site Stratigraphy Submittal (11/17/06 letter)	0 days	Fri 11/17/06	Fri 11/17/06
58	EPA Additional Monitoring Request (3/1/07 letter)	0 days	Thu 3/1/07	Thu 3/1/07
59	Beazer Prepare Hawthorn Investigation Plan	23 days	Thu 3/1/07	Mon 4/2/07
60	Beazer Hawthorn Investigation Plan Submittal (3/31/07 Workplan)	0 days	Mon 4/2/07	Mon 4/2/07
61	USEPA/Stakeholder Review	31 days	Tue 4/3/07	Tue 5/15/07
62	ACEPD Comments on Hawthorn Investigation WP (5/9/07 letter)	0 days	Wed 5/9/07	Wed 5/9/07
63	USEPA Comments on Hawthorn Investigation (5/15/07 email)	0 days	Tue 5/15/07	Tue 5/15/07
64	Resolution of Issues	19 days	Wed 5/16/07	Tue 6/12/07
65	Beazer Submit Revised Workplan (6/12/07)	0 days	Tue 6/12/07	Tue 6/12/07
66	USEPA Comment Letter (6/29/07)	0 days	Fri 6/29/07	Fri 6/29/07
67	Beazer Submit Revised #2 Workplan (7/20/07)	0 days	Fri 7/20/07	Fri 7/20/07
68	USEPA Approval of Work Plan	0 days	Tue 8/7/07	Tue 8/7/07
69	Beazer Carry Out Work Plan	173 days	Tue 7/10/07	Fri 3/14/08
70	Subcontracting	4 wks	Tue 7/10/07	Tue 8/7/07
71	Mobilization	1 wk	Mon 8/13/07	Fri 8/17/07
72	Well Installation & development	59 days	Mon 8/20/07	Fri 11/9/07
73	Report Preparation & Review	17 wks	Mon 11/12/07	Fri 3/14/08
74	Beazer Submit Hawthorn Investigation Report	0 days	Tue 3/18/08	Tue 3/18/08
75	Completion of HG-22D	5 days	Mon 4/28/08	Fri 5/2/08
76	Completion Letter for HG22D	0 days	Mon 6/23/08	Mon 6/23/08
77	USEPA/Stakeholder Review	120 days	Tue 3/18/08	Thu 9/4/08
78	Resolution of Issues	20 days	Fri 9/5/08	Thu 10/2/08
79	Beazer Prepare Workplan for Additional Hawthorn Investigation	78 days	Thu 7/24/08	Tue 11/11/08
80	Beazer Submit Workplan for Additional Hawthorn Investigation	0 days	Tue 11/11/08	Tue 11/11/08
81	USEPA/Stakeholder Review	28 days	Wed 11/12/08	Tue 12/23/08
82	Resolution of Issues	14 days	Mon 12/29/08	Fri 1/16/09
83	Beazer Submit Revised Workplan for Additional Hawthorn Investigation	0 days	Fri 1/16/09	Fri 1/16/09
84	USEPA Approval of Workplan	0 days	Fri 1/16/09	Fri 1/16/09
85	**Beazer Carry Out Work Plan**	**148 days**	**Mon 1/19/09**	**Fri 8/14/09**
86	Contract & Mobilize	30 days	Mon 1/19/09	Fri 2/27/09
87	Install Borings/Wells	45 days	Mon 3/2/09	Fri 5/1/09
88	Sampling & Reporting	73 days	Mon 5/4/09	Fri 8/14/09
89	Beazer Submit Hawthorn Investigation Report Addendum	0 days	Fri 8/14/09	Fri 8/14/09

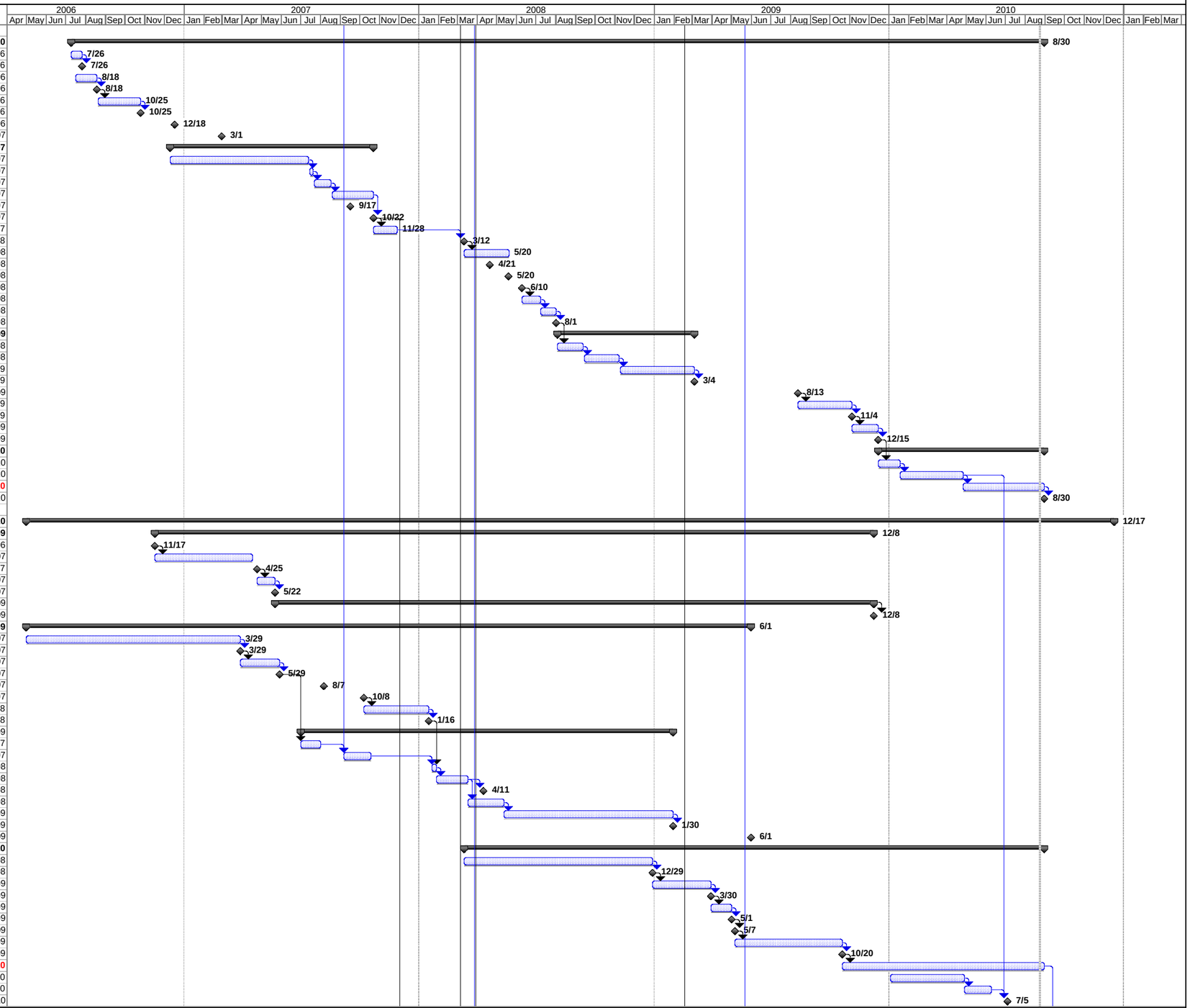


Date: Mon 8/23/10
Current/In-Progress Item
Completed Major Task

Task | Milestone | Summary

Cabot Carbon/Koppers Site: Combined Beazer USEPA Schedule (DRAFT FOR DISCUSSION)

ID	Task Name	Duration	Start	Finish
90				
91	**Recmnd. #4 - Floridan Monitoring**	**1055 days**	**Mon 7/10/06**	**Mon 8/30/10**
92	Beazer Prepare Floridan Drilling Report	13 days	Mon 7/10/06	Wed 7/26/06
93	Beazer Submit Floridan Drilling Report (7/26/06)	0 days	Wed 7/26/06	Wed 7/26/06
94	Beazer Prepare Additional Drilling/Testing Workplan	25 days	Mon 7/17/06	Fri 8/18/06
95	Beazer Submit Floridan Drilling Workplan (8/18/07)	0 days	Fri 8/18/06	Fri 8/18/06
96	USEPA Review of Drilling Work Plan	48 days	Mon 8/21/06	Wed 10/25/06
97	USEPA Alternative Floridan Drilling/Testing Plan (10/25/06 letter)	0 days	Wed 10/25/06	Wed 10/25/06
98	Beazer Response to EPA Alternative Plan (12/18/06 letter)	0 days	Mon 12/18/06	Mon 12/18/06
99	Beazer Agrees to Perform Hydraulic Testing (3/1/07 letter)	0 days	Thu 3/1/07	Thu 3/1/07
100	**Beazer Conduct Modified Aug 18 2006 Workplan**	**222 days**	**Mon 12/11/06**	**Mon 10/22/07**
101	Drilling, Installation, Testing	152 days	Mon 12/11/06	Fri 7/13/07
102	Sampling	5 days	Mon 7/16/07	Fri 7/20/07
103	Analysis	20 days	Mon 7/23/07	Fri 8/17/07
104	Report Prep & Review	45 days	Mon 8/20/07	Mon 10/22/07
105	Beazer Submit Floridan Supplemental Analysis Report	0 days	Mon 9/17/07	Mon 9/17/07
106	Beazer Submit Floridan Drilling & Analysis Reports	0 days	Mon 10/22/07	Mon 10/22/07
107	USEPA/Stakeholder Review	25 days	Tue 10/23/07	Wed 11/28/07
108	Meeting to discuss Monitoring Plan & Well Network	0 days	Wed 3/12/08	Wed 3/12/08
109	Resolve need for additional monitoring/sentinel wells	50 days	Wed 3/12/08	Tue 5/20/08
110	Web/tleconference with GRU regarding Floridan Monitoring	0 days	Mon 4/21/08	Mon 4/21/08
111	Sentinel Well Installation Workplan	0 days	Tue 5/20/08	Tue 5/20/08
112	Sentinel Well Installation Workplan Update	0 days	Tue 6/10/08	Tue 6/10/08
113	EPA/Stakeholder Review	20 days	Tue 6/10/08	Tue 7/8/08
114	Resolution of Issues	18 days	Wed 7/9/08	Fri 8/1/08
115	Approval of Workplan	0 days	Fri 8/1/08	Fri 8/1/08
116	**Install Sentinel Wells**	**146 days**	**Mon 8/4/08**	**Wed 3/4/09**
117	Contracting/Mobilize	29 days	Mon 8/4/08	Fri 9/12/08
118	Drilling and Installation	40 days	Mon 9/15/08	Fri 11/7/08
119	Sampling & Reporting	77 days	Mon 11/10/08	Wed 3/4/09
120	Beazer Submit Sentinel Wells Installation Report	0 days	Wed 3/4/09	Wed 3/4/09
121	Beazer Submit Additional Well Installation Workplan (NW Area)	0 days	Thu 8/13/09	Thu 8/13/09
122	USEPA/Stakeholder Review/Resolution	59 days	Thu 8/13/09	Wed 11/4/09
123	Beazer Submit Revised Well Installation Workplan (NW Area)	0 days	Wed 11/4/09	Wed 11/4/09
124	USEPA/Stakeholder Review/Resolution	27 days	Thu 11/5/09	Tue 12/15/09
125	EPA Approval	0 days	Tue 12/15/09	Tue 12/15/09
126	**Install Wells in NW Area**	**181 days**	**Wed 12/16/09**	**Mon 8/30/10**
127	Contracting/Mobilize	21 days	Wed 12/16/09	Mon 1/18/10
128	Drilling and Installation	70 days	Tue 1/19/10	Mon 4/26/10
129	**Sampling & Reporting**	**90 days**	**Tue 4/27/10**	**Mon 8/30/10**
130	Beazer Submit NW Wells Installation Report	0 days	Mon 8/30/10	Mon 8/30/10
131				
132	**Recmnd. #5 - Pilot Studies and Interim Measures**	**1184 days**	**Mon 5/1/06**	**Fri 12/17/10**
133	**Hawthorn DNAPL Rec. Pilot/IM**	**775 days**	**Fri 11/17/06**	**Tue 12/8/09**
134	USEPA Approval to Proceed with 12/23/04 Workplan (11/17/06 letter)	0 days	Fri 11/17/06	Fri 11/17/06
135	Resolution of Permitting & Comments	107 days	Fri 11/17/06	Tue 4/17/07
136	FDEP UIC Permit Exemption	0 days	Wed 4/25/07	Wed 4/25/07
137	Beazer Prepare Revised Workplan	20 days	Wed 4/25/07	Tue 5/22/07
138	Beazer Submit Revised Workplan	0 days	Tue 5/22/07	Tue 5/22/07
139	Beazer Conduct Workplan	643 days	Wed 5/23/07	Tue 12/8/09
145	Beazer Submit Report	0 days	Tue 12/8/09	Tue 12/8/09
146	**ISBS Pilot/IM**	**786 days**	**Mon 5/1/06**	**Mon 6/1/09**
147	USEPA/Stakeholder Review of 4/22/05 Work Plan	238 days	Mon 5/1/06	Thu 3/29/07
148	USEPA Transmittal of USACE Analysis (at 3/29/07 meeting)	0 days	Thu 3/29/07	Thu 3/29/07
149	Resolution of Path Forward	42 days	Fri 3/30/07	Tue 5/29/07
150	EPA Approval of ISBS Workplan (Miller email, 5/26/07)	0 days	Tue 5/29/07	Tue 5/29/07
151	UIC Information Submittal to FDEP	0 days	Tue 8/7/07	Tue 8/7/07
152	Revised Workplan & UIC Variance Request	0 days	Mon 10/8/07	Mon 10/8/07
153	FDEP UIC Variance Review Process	68 days	Mon 10/8/07	Wed 1/16/08
154	FDEP UIC Permit Exeption Granted	0 days	Wed 1/16/08	Wed 1/16/08
155	Conduct Workplan	399 days	Mon 7/2/07	Fri 1/30/09
156	Final Design & Procurement	1 mon	Mon 7/2/07	Wed 8/1/07
157	Baseline Sampling & Construction	6 wks	Fri 9/7/07	Thu 10/18/07
158	ISBS Implementation	5 days	Tue 1/22/08	Mon 1/28/08
159	First Sampling Event & Analysis	35 days	Tue 1/29/08	Mon 3/17/08
160	Phase I Implementation Report	0 days	Fri 4/11/08	Fri 4/11/08
161	Second Sampling Event & Analysis	8 wks	Tue 3/18/08	Mon 5/12/08
162	Report Prep & Review	180 days	Tue 5/13/08	Fri 1/30/09
163	Beazer Submit ISBS Pilot Study Report	0 days	Fri 1/30/09	Fri 1/30/09
164	Beazer Submit Responses to GRU & ACEPD Comments	0 days	Mon 6/1/09	Mon 6/1/09
165	**Floridan Aquifer Withdrawal at Select MWs - IRM**	**627 days**	**Wed 3/12/08**	**Mon 8/30/10**
166	Beazer Prepare Floridan IRM Workplan	201 days	Wed 3/12/08	Mon 12/29/08
167	Beazer Submit IRM Proposal FW-6 & FW-21B	0 days	Mon 12/29/08	Mon 12/29/08
168	EPA/FDEP/Stakeholder Review	64 days	Tue 12/30/08	Mon 3/30/09
169	EPA Comment Letter	0 days	Mon 3/30/09	Mon 3/30/09
170	Beazer prepare response to comments	24 days	Tue 3/31/09	Fri 5/1/09
171	Beazer submit response to comments	0 days	Fri 5/1/09	Fri 5/1/09
172	USEPA Approval	0 days	Thu 5/7/09	Thu 5/7/09
173	Install System	116 days	Thu 5/7/09	Tue 10/20/09
174	Begin Operation	0 days	Tue 10/20/09	Tue 10/20/09
175	**Beazer Prepare IRM Implementation Report**	**219 days**	**Wed 10/21/09**	**Mon 8/30/10**
176	Beazer prepare plan for monitoring at FW-31BE	83 days	Mon 1/4/10	Wed 4/28/10
177	USEPA Review and Approval	30 days	Thu 4/29/10	Wed 6/9/10
178	Begin Operation of FW-31BE	0 days	Mon 7/5/10	Mon 7/5/10

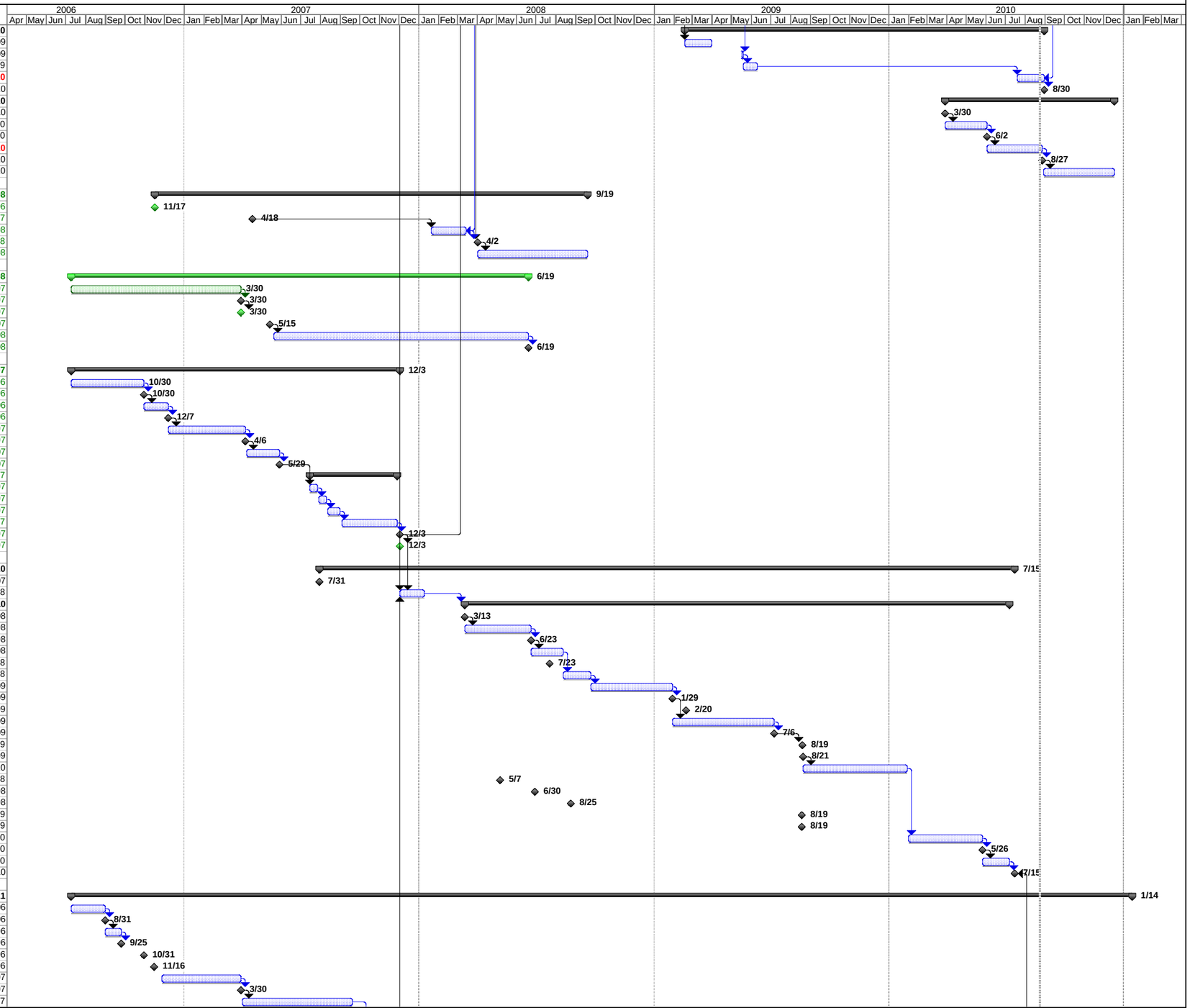


Date: Mon 8/23/10
Current/In-Progress Item
Completed Major Task

Task | Milestone | Summary

Cabot Carbon/Koppers Site: Combined Beazer USEPA Schedule (DRAFT FOR DISCUSSION)

ID	Task Name	Duration	Start	Finish
179	**Soil Solidification/Stabilization Pilot Test**	**391 days**	**Wed 2/18/09**	**Mon 8/30/10**
180	Bench Treatability Test	6 wks	Wed 2/18/09	Tue 3/31/09
181	Sampling	2 days	Mon 5/18/09	Tue 5/19/09
182	Testing and Analysis	15 days	Wed 5/20/09	Wed 6/10/09
183	**Report Preparation**	**30 days**	**Tue 7/20/10**	**Mon 8/30/10**
184	Report Submittal	0 days	Mon 8/30/10	Mon 8/30/10
185	**Short-Term Interim Measures**	**189 days**	**Tue 3/30/10**	**Fri 12/17/10**
186	Beazer Acquisition of Property	0 days	Tue 3/30/10	Tue 3/30/10
187	Preparation of Interim Measures Workplan	47 days	Tue 3/30/10	Wed 6/2/10
188	Beazer Submit Short-Term IM Plan	0 days	Wed 6/2/10	Wed 6/2/10
189	**Regulatory/Stakeholder Review**	**62 days**	**Thu 6/3/10**	**Fri 8/27/10**
190	IM Workplan Approval	0 days	Fri 8/27/10	Fri 8/27/10
191	IM Workplan Implementation	80 days	Mon 8/30/10	Fri 12/17/10
192				
193	**Recmnd. #6 - Source Delineation & Potential for Downward Migration**	**469 days**	**Fri 11/17/06**	**Fri 9/19/08**
194	Beazer Updated Site Stratigraphy Submittal (11/17/06 letter)	0 days	Fri 11/17/06	Fri 11/17/06
195	EPA 4/18/07 Tansmittal of Comments on Recommendation #6	0 days	Wed 4/18/07	Wed 4/18/07
196	Beazer Response to Comments	8 wks	Mon 1/21/08	Fri 3/14/08
197	Beazer Submit Response to Comments	0 days	Wed 4/2/08	Wed 4/2/08
198	Resolution of Remaining Issues	120 days	Wed 4/2/08	Fri 9/19/08
199				
200	**Recmnd. #7 - Arsenic Evaluation**	**499 days**	**Mon 7/10/06**	**Thu 6/19/08**
201	Beazer Prepare Arsenic Evaluation	189 days	Mon 7/10/06	Fri 3/30/07
202	Beazer Submit Arsenic Evaluation Report (3/30/07)	0 days	Fri 3/30/07	Fri 3/30/07
203	**RECOMMENDATION RESPONSE COMPLETED**	0 days	Fri 3/30/07	Fri 3/30/07
204	USEPA Agreement & Comment on Report (5/15/07 email)	0 days	Tue 5/15/07	Tue 5/15/07
205	Beazer Response to Comments	55 wks	Mon 5/21/07	Thu 6/19/08
206	Beazer Submit Response to Comments	0 days	Thu 6/19/08	Thu 6/19/08
207				
208	**Recmnd. #9 - Surficial Well Redevelopment & Sampling**	**359 days**	**Mon 7/10/06**	**Mon 12/3/07**
209	Beazer Prepare Workplan	81 days	Mon 7/10/06	Mon 10/30/06
210	Beazer Submit Workplan (10/30/06)	0 days	Mon 10/30/06	Mon 10/30/06
211	USEPA/Stakeholder Review	28 days	Tue 10/31/06	Thu 12/7/06
212	USEPA Comment Letter (12/7/06)	0 days	Thu 12/7/06	Thu 12/7/06
213	Beazer Update Workplan	85 days	Fri 12/8/06	Fri 4/6/07
214	Beazer Submit Responses & Revised Workplan (4/6/07)	0 days	Fri 4/6/07	Fri 4/6/07
215	USEPA/Stakeholder Review	36 days	Mon 4/9/07	Tue 5/29/07
216	USEPA Approval of Surficial Redevelopment/Sampling Workplan	0 days	Tue 5/29/07	Tue 5/29/07
217	Beazer Conduct Workplan	95 days	Mon 7/16/07	Wed 11/28/07
218	Redevelopment	10 days	Mon 7/16/07	Fri 7/27/07
219	Sampling	10 days	Mon 7/30/07	Fri 8/10/07
220	Analysis	15 days	Mon 8/13/07	Fri 8/31/07
221	Report Prep & Review	12 wks	Tue 9/4/07	Wed 11/28/07
222	Beazer Submit Data Report (12/3/07)	0 days	Mon 12/3/07	Mon 12/3/07
223	**RECOMMENDATION RESPONSE COMPLETED**	0 days	Mon 12/3/07	Mon 12/3/07
224				
225	**Recmnd. #11 - Reevaluate COCs**	**750 days**	**Tue 7/31/07**	**Thu 7/15/10**
226	Technical Risk Assessment Conference Call	0 days	Tue 7/31/07	Tue 7/31/07
227	Resolve Path Forward for Risk & Cleanup Criteria	5 wks	Mon 12/3/07	Wed 1/9/08
228	**USEPA & Beazer Analyze Risk and Develop Criteria**	**588 days**	**Thu 3/13/08**	**Wed 7/7/10**
229	Meeting to Discuss Approach	0 days	Thu 3/13/08	Thu 3/13/08
230	Beazer Prepare Approach Document - On-Site Soils	72 days	Thu 3/13/08	Mon 6/23/08
231	Beazer Submit HHRA On-Site Soil Approach	0 days	Mon 6/23/08	Mon 6/23/08
232	EPA/Stakeholder Review	35 days	Tue 6/24/08	Tue 8/12/08
233	Beazer provide Supporting Details (MEE & RAF)	0 days	Wed 7/23/08	Wed 7/23/08
234	Review/Discussion of Issues	30 days	Wed 8/13/08	Wed 9/24/08
235	Beazer Prepare HHRA for on-Site Soils	85 days	Thu 9/25/08	Thu 1/29/09
236	Beazer Submit HHRA for on-Site Soils	0 days	Thu 1/29/09	Thu 1/29/09
237	Beazer Submit Responses to Prior Comments	0 days	Fri 2/20/09	Fri 2/20/09
238	EPA/Stakeholder Review	110 days	Fri 1/30/09	Mon 7/6/09
239	EPA Comments on HHRA	0 days	Mon 7/6/09	Mon 7/6/09
240	Beazer Submit Revised HHRA for on-Site Soils	0 days	Wed 8/19/09	Wed 8/19/09
241	FDEP Comments on Original (Jan 2009) HHRA for on-Site Soils	0 days	Fri 8/21/09	Fri 8/21/09
242	Discussion of Issues	110 days	Fri 8/21/09	Fri 1/29/10
243	FDEP/EPA conference on Dioxins/Furans	0 days	Wed 5/7/08	Wed 5/7/08
244	FDEP/EPA/Beazer Approach Meeting	0 days	Mon 6/30/08	Mon 6/30/08
245	FDEP/EPA/Beazer Progress Conf. Call	0 days	Mon 8/25/08	Mon 8/25/08
246	Beazer Submit Evaluation of Ecological Risk	0 days	Wed 8/19/09	Wed 8/19/09
247	Beazer Submit Evaluation of Ongoing Risk from Dust	0 days	Wed 8/19/09	Wed 8/19/09
248	Beazer Prepare Revised Risk Assessment	83 days	Mon 2/1/10	Wed 5/26/10
249	Beazer Submit Revised Risk Assessment	0 days	Wed 5/26/10	Wed 5/26/10
250	Review & Resolution	30 days	Thu 5/27/10	Wed 7/7/10
251	USEPA Issue Cleanup Criteria	0 days	Thu 7/15/10	Thu 7/15/10
252				
253	**Recmnd. #12 - Surface Soil Delineation**	**1154 days**	**Mon 7/10/06**	**Fri 1/14/11**
254	USEPA Review of 2/8/06 Workplan	39 days	Mon 7/10/06	Thu 8/31/06
255	USEPA Comment Letter	0 days	Thu 8/31/06	Thu 8/31/06
256	Beazer Update of Workplan	17 days	Fri 9/1/06	Mon 9/25/06
257	Beazer Submit Comment Responses and Revised Workplan (9/25/06)	0 days	Mon 9/25/06	Mon 9/25/06
258	Beazer Update of Workplan Based on Additional Comments (10/31/06)	0 days	Tue 10/31/06	Tue 10/31/06
259	Beazer Notification of Intent to Implement Workplan (11/16/06 letter)	0 days	Thu 11/16/06	Thu 11/16/06
260	Beazer Conduct Work Plan	88 days	Tue 11/28/06	Fri 3/30/07
261	Beazer Soil & Sediment Data Summary Report Submittal (3/30/07)	0 days	Fri 3/30/07	Fri 3/30/07
262	Beazer Resolve and Correct Data	120 days	Mon 4/2/07	Wed 9/19/07

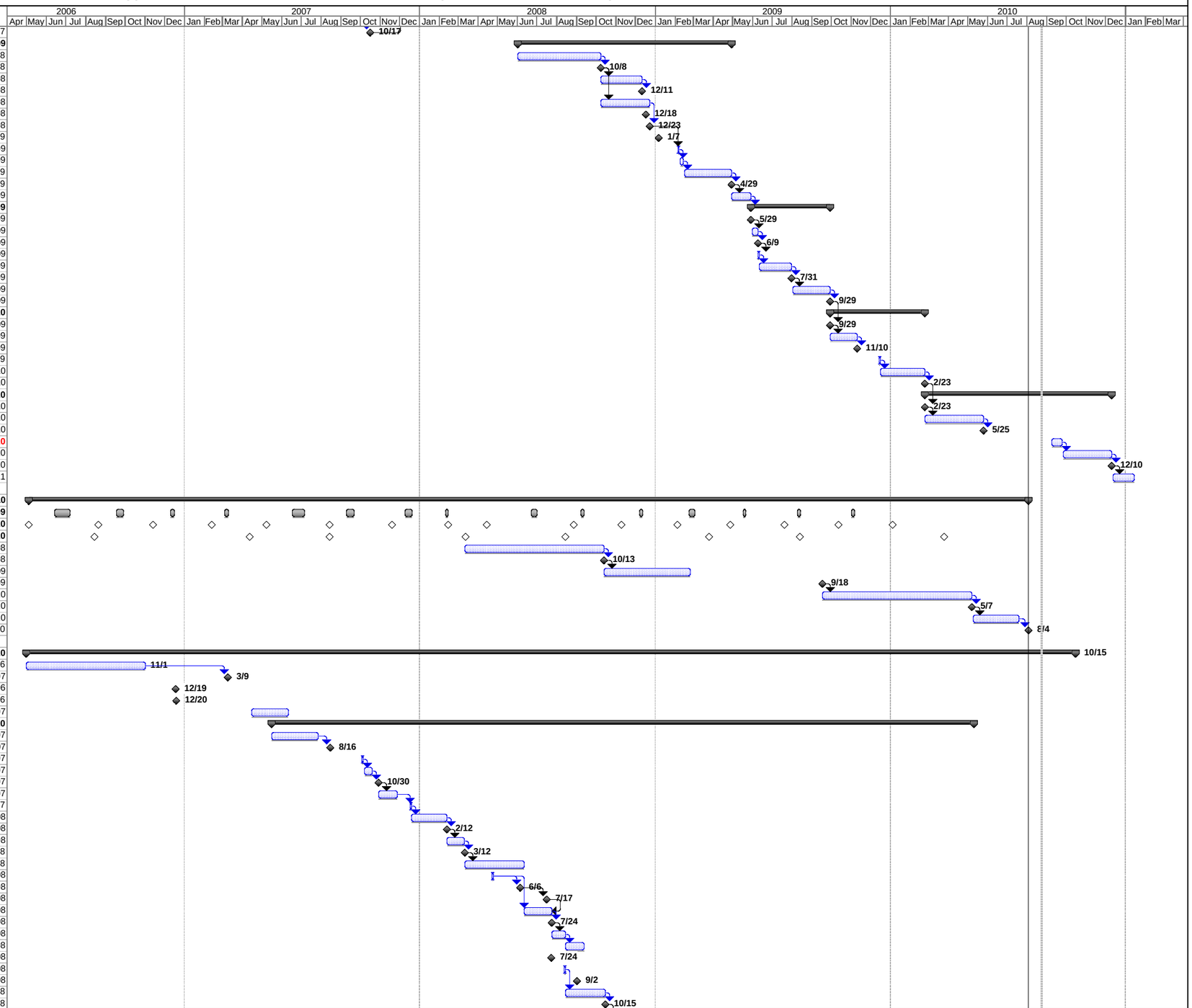


Date: Mon 8/23/10
Current/In-Progress Item
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Task | Milestone | Summary

Cabot Carbon/Koppers Site: Combined Beazer USEPA Schedule (DRAFT FOR DISCUSSION)

ID	Task Name	Duration	Start	Finish
263	Beazer Submit Addendum to Data Summary Report	0 days	Wed 10/17/07	Wed 10/17/07
264	**Beazer Conduct Off-Site Sampling & Analysis**	**230 days**	**Mon 6/2/08**	**Wed 4/29/09**
265	Beazer Prepare Off-Site Sampling Workplan	91 days	Mon 6/2/08	Wed 10/8/08
266	Beazer Submit Off-Site Sampling Workplan	0 days	Wed 10/8/08	Wed 10/8/08
267	Beazer Prepare QAPP	44 days	Thu 10/9/08	Thu 12/11/08
268	Beazer Submit QAPP	0 days	Thu 12/11/08	Thu 12/11/08
269	USEPA/Stakeholder Review of Workplan	52 days	Thu 10/9/08	Tue 12/23/08
270	Beazer/USEPA/Stakeholder Call to Discuss Comments	0 days	Thu 12/18/08	Thu 12/18/08
271	EPA Conditional Approval of Workplan	0 days	Tue 12/23/08	Tue 12/23/08
272	Beazer Submit Responses to Comments & Workplan Revision	0 days	Wed 1/7/09	Wed 1/7/09
273	Field Identify Sampling Locations	1 day	Fri 2/6/09	Fri 2/6/09
274	Sampling	5 days	Mon 2/9/09	Fri 2/13/09
275	Analysis & Reporting	53 days	Mon 2/16/09	Wed 4/29/09
276	Beazer Submit Off-Site Sampling Data	0 days	Wed 4/29/09	Wed 4/29/09
277	USEPA/Stakeholder Review	21 days	Thu 4/30/09	Fri 5/29/09
278	**Beazer Off-Site Sampling & Analysis, Round 2**	**85 days**	**Fri 5/29/09**	**Tue 9/29/09**
279	Beazer Submit Plan for Additional Off-Site Sampling	0 days	Fri 5/29/09	Fri 5/29/09
280	USEPA/Stakeholder review of Plan	7 days	Mon 6/1/09	Tue 6/9/09
281	USEPA/Stakeholder approval of plan/locations	0 days	Tue 6/9/09	Tue 6/9/09
282	Sampling	2 days	Wed 6/10/09	Thu 6/11/09
283	Analysis and Reporting	35 days	Fri 6/12/09	Fri 7/31/09
284	Beazer Submit Additional Off-Site Sampling Data	0 days	Fri 7/31/09	Fri 7/31/09
285	Additional Analysis and Reporting	41 days	Mon 8/3/09	Tue 9/29/09
286	Beazer Submit Additional Data	0 days	Tue 9/29/09	Tue 9/29/09
287	**Beazer Off-Site Sampling & Analysis, Round 3**	**100 days**	**Tue 9/29/09**	**Tue 2/23/10**
288	Beazer Submit Plan for Additional Sampling	0 days	Tue 9/29/09	Tue 9/29/09
289	USEPA/Stakeholder review of Plan	30 days	Wed 9/30/09	Tue 11/10/09
290	USEPA/Stakeholder approval of plan	0 days	Tue 11/10/09	Tue 11/10/09
291	Final Locations and Sampling	2 days	Tue 12/15/09	Wed 12/16/09
292	Analysis and Reporting	46 days	Thu 12/17/09	Tue 2/23/10
293	Beazer Submit Additional Off-Site Sampling Data	0 days	Tue 2/23/10	Tue 2/23/10
294	**Beazer Off-Site Sampling & Analysis, Round 4**	**208 days**	**Tue 2/23/10**	**Fri 12/10/10**
295	Beazer Submit Plan for Additional Sampling	0 days	Tue 2/23/10	Tue 2/23/10
296	USEPA/Stakeholder review of Plan	65 days	Wed 2/24/10	Tue 5/25/10
297	USEPA/Stakeholder approval of plan	0 days	Tue 5/25/10	Tue 5/25/10
298	**Final Locations and Sampling**	**12 days**	**Thu 9/9/10**	**Fri 9/24/10**
299	Analysis and Reporting	55 days	Mon 9/27/10	Fri 12/10/10
300	Beazer Submit Additional Off-Site Sampling Data	0 days	Fri 12/10/10	Fri 12/10/10
301	Resolution of Issues	25 days	Mon 12/13/10	Fri 1/14/11
302				
303	**Regular Monitoring**	**1082 days**	**Fri 5/5/06**	**Wed 8/4/10**
304	**Beazer Monitoring - Sampling Events**	**867 days**	**Wed 6/14/06**	**Fri 11/6/09**
320	**Beazer Monitoring Reports - Floridan**	**931 days**	**Fri 5/5/06**	**Tue 1/5/10**
337	**Beazer Monitoring Reports - Surficial (Stage 2)**	**917 days**	**Tue 8/15/06**	**Fri 3/26/10**
346	Beazer Prepare Comprehensive Monitoring Plan	151 days	Wed 3/12/08	Mon 10/13/08
347	Beazer Submit Comprehensive Monitoring Plan	0 days	Mon 10/13/08	Mon 10/13/08
348	USEPA Review	90 days	Tue 10/14/08	Tue 2/24/09
349	Beazer Submit Revised Comprehensive Monitoring Plan	0 days	Fri 9/18/09	Fri 9/18/09
350	Issue Resolution	161 days	Fri 9/18/09	Fri 5/7/10
351	Beazer Submit Revised Comprehensive Plan	0 days	Fri 5/7/10	Fri 5/7/10
352	EPA Review & Approval	51 days	Mon 5/10/10	Mon 7/19/10
353	Beazer Submit Final Comprehensive Monitoring Plan	0 days	Wed 8/4/10	Wed 8/4/10
354				
355	**Comprehensive Remedy Selection**	**1139 days**	**Mon 5/1/06**	**Fri 10/15/10**
356	USEPA Prepare Surficial Aquifer Technology Screening	133 days	Mon 5/1/06	Wed 11/1/06
357	USEPA Transmit Surficial Aquifer Technology Screening (at 3/9/07 meeting)	0 days	Fri 3/9/07	Fri 3/9/07
358	Beazer Submit Thermal Technologies Evaluation (12/19/06 report)	0 days	Tue 12/19/06	Tue 12/19/06
359	Beazer Submit Surfactant Technologies Evaluation (12/20/06 report)	0 days	Wed 12/20/06	Wed 12/20/06
360	Beazer and USEPA Resolve Path Forward	40 days	Mon 4/16/07	Mon 6/11/07
361	**Joint Beazer/USEPA FS**	**753 days**	**Thu 5/17/07**	**Mon 5/10/10**
362	Prepare for Joint FS Process	50 days	Thu 5/17/07	Fri 7/27/07
363	Meeting to Set Agenda and Define Required Materials	0 days	Thu 8/16/07	Thu 8/16/07
364	Meeting #1: Technology Screening/Evaluation	2 days	Thu 10/4/07	Fri 10/5/07
365	Documentation/Review of Meeting Results (EPA w/ Beazer Input)	10 days	Mon 10/8/07	Fri 10/19/07
366	Release of Meeting #1 Minutes	0 days	Tue 10/30/07	Tue 10/30/07
367	Stakeholder Review	19 days	Tue 10/30/07	Tue 11/27/07
368	Meeting #2: Assembly of Alternatives	2 days	Tue 12/18/07	Wed 12/19/07
369	Documentation/Review of Meeting Results (EPA w/ Beazer Input)	36 days	Thu 12/20/07	Tue 2/12/08
370	Conference call to discuss draft minutes	0 days	Tue 2/12/08	Tue 2/12/08
371	Finalization of minutes	19 days	Wed 2/13/08	Mon 3/10/08
372	Release of Meeting #2 Minutes	0 days	Wed 3/12/08	Wed 3/12/08
373	Stakeholder Review of Meeting #2 Minutes	65 days	Wed 3/12/08	Wed 6/11/08
374	Meeting #3: Evaluation/Refinement of Alternatives	2 days	Wed 4/23/08	Thu 4/24/08
375	Conference Call on Meeting Materials & Minutes	0 days	Fri 6/6/08	Fri 6/6/08
376	Second Conference Call on Meeting Materials & Minutes	0 days	Thu 7/17/08	Thu 7/17/08
377	Documentation/Review of Meeting Results (EPA w/ Beazer Input)	30 days	Thu 6/12/08	Thu 7/24/08
378	Release of Meeting #3 Minutes	0 days	Thu 7/24/08	Thu 7/24/08
379	Stakeholder Review	15 days	Fri 7/25/08	Thu 8/14/08
380	Resolution of Issues	20 days	Fri 8/15/08	Fri 9/12/08
381	Conference Call to Discuss Evaluation Procedures	0 days	Thu 7/24/08	Thu 7/24/08
382	Meeting #4: Detailed Evaluation of Alternatives	2 days	Wed 8/13/08	Thu 8/14/08
383	Conference Call on Meeting Materials & Minutes	0 days	Tue 9/2/08	Tue 9/2/08
384	Documentation/Review of Meeting Results (EPA w/ Beazer Input)	43 days	Fri 8/15/08	Wed 10/15/08
385	Release of Meeting #4 Minutes	0 days	Wed 10/15/08	Wed 10/15/08

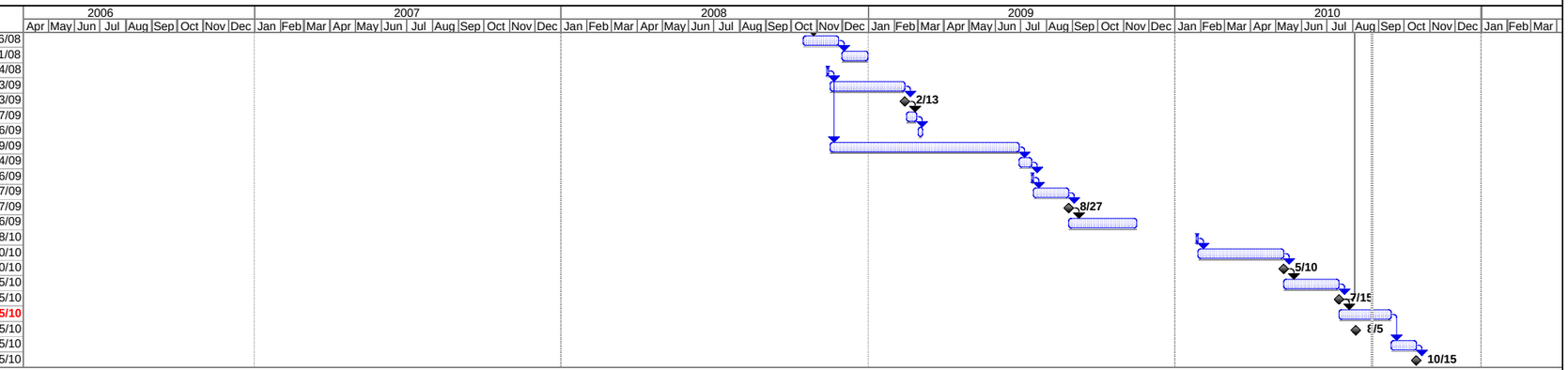


Date: Mon 8/23/10
Current/In-Progress Item
Completed Major Task

Task | Milestone | Summary

Cabot Carbon/Koppers Site: Combined Beazer USEPA Schedule (DRAFT FOR DISCUSSION)

ID	Task Name	Duration	Start	Finish
386	Stakeholder Review	30 days	Thu 10/16/08	Wed 11/26/08
387	Resolution of Issues	20 days	Mon 12/1/08	Wed 12/31/08
388	Meeting #5: Alternative Rating	2 days	Thu 11/13/08	Fri 11/14/08
389	Documentation/Review of Meeting Results (EPA w/ Beazer Input)	59 days	Mon 11/17/08	Fri 2/13/09
390	Release of Meeting #5 Minutes	0 days	Fri 2/13/09	Fri 2/13/09
391	Stakeholder Review	10 days	Mon 2/16/09	Fri 2/27/09
392	Resolution of Issues	5 days	Mon 3/2/09	Fri 3/6/09
393	Preparation of FS Document (Black & Veatch w/ Beazer Input)	154 days	Mon 11/17/08	Mon 6/29/09
394	Joint FS Team Review Period	10 days	Tue 6/30/09	Tue 7/14/09
395	Meeting #6: FS Review	2 days	Wed 7/15/09	Thu 7/16/09
396	FS Prep for Release (EPA)	30 days	Fri 7/17/09	Thu 8/27/09
397	FS Release (EPA)	0 days	Thu 8/27/09	Thu 8/27/09
398	Stakeholder Review	56 days	Fri 8/28/09	Mon 11/16/09
399	Meeting #7: Revisions, Updates, Stakeholder Concerns	2 days	Wed 1/27/10	Thu 1/28/10
400	Complete FS Updates (EPA)	72 days	Fri 1/29/10	Mon 5/10/10
401	FS Rev 1 Release (EPA)	0 days	Mon 5/10/10	Mon 5/10/10
402	Prepare & Review Proposed Plan (EPA)	48 days	Tue 5/11/10	Thu 7/15/10
403	Publish Proposed Plan	0 days	Thu 7/15/10	Thu 7/15/10
404	**Public Comment Period**	**44 days**	**Fri 7/16/10**	**Wed 9/15/10**
405	Public Meeting on Proposed Plan	0 days	Thu 8/5/10	Thu 8/5/10
406	Response to Comments	22 days	Thu 9/16/10	Fri 10/15/10
407	ROD Amendment Entered Final	0 days	Fri 10/15/10	Fri 10/15/10



Date: Mon 8/23/10
Current/In-Progress Item
Completed Major Task

Task | Milestone | Summary