TETRA TECH

January 10, 2014

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

Subject: **December 2013 Monthly Progress Report**

Dear Mr. Miller:

On behalf of Beazer East, Inc. (Beazer), attached is the December 2013 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,

Gregory W. Council, P.E.
Principal Engineer

cc: Rusty Kestle, EPA
Kelsey Helton, FDEP
John Mousa, ACEPD
Amy Schafer, City of Gainesville
Rick Hutton, GRU
Carrie McCoy, Black & Veatch
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December 2013
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 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: 2.3 gallons of NAPL were removed from Upper Hawthorn wells during the past month (2 recovery events). A total of 558 gallons have been bailed or pumped since the start of the NAPL recovery program on June 19, 2004. The attached table provides details of the NAPL recovery volumes by well and date.
- In addition, NAPL was removed from 14 temporary injection points installed in the Former Process Area as part of the In-Situ Geochemical Stabilization (ISGS) program. This is a pilot demonstration for full scale design. Heavier than usual staining was observed at temporary Upper Hawthorn ISGS injection point 420N 340E on November 25, 2013. This location produced 22.7 gallons of product during the December 19th product recovery event. Two NAPL recovery events were conducted during the month, resulting in a total of 141.6 gallons removed.
- NAPL was removed from five Upper Hawthorn recovery wells installed in the Former Process Area as part of the ISGS program. Two NAPL recovery events were conducted during the month, resulting in 60.6 gallons removed.
- A total of 4,013,126 gallons of groundwater were recovered by the Surficial Aquifer drains and extraction well system during the past month (system run time of 672 hours). The average recovery rate for the month was approximately 99.5 gallons per minute (gpm). The recovery for each component is listed below.
    - Surficial Aquifer
        - Perimeter Extraction Wells: 659,432 gallons
        - Former North Lagoon Drain: 399,200 gallons
        - Former Drip Track Drain: 493,910 gallons
        - Former Process Area Drain: 416,100 gallons
        - Former South Lagoon Drain: 448,520 gallons
    - Upper Floridan Extraction Wells
        - FW-6: 21,480 gallons
        - FW-21B: 170,960 gallons
        - FW-31BE: 905,030 gallons
        - FW-32BE: 498,494 gallons

  Approximately 320.4 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 2,492,000 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 8.5 hours to pump and clean clarifiers and to treat backwash water.

3. Plans, Reports, Deliverables and Procedures Completed:

- *Remedial Design Work Plan*, Ver. 2 submitted December 9, 2013; approved December 26, 2013
- *Former Process Area In-Situ Geochemical Stabilization Remediation Demonstration Project: Phase I Characterization* submitted December 10, 2013
- Implementation of Off-Property Soil Replacement Pilot Project
- Surveying at properties in the Stephen Foster Neighborhood.
- Interviews of Stephen Foster neighborhood property owners and residents.
- Periodic maintenance checks and inspections.
- Treatment-plant component maintenance and repair as needed.
- Irrigation-system carbon breakthrough sample collection for VOCs and SVOCs.
- Repair of lateral and manifold piping at Carbon Adsorber A
- Repair of pump at FW-6.
- Replacement of flow meter elements at EW-16.
- Repair of flange on Irrigation pump.
- On-property irrigation using treated groundwater from FW-6, FW-21B, FW-31BE, and FW-32BE.
- Fourth quarter Total System Effluent (TSE) sampling event: December 26, 2013.
- 45 drums of PPE, spent filters, plastic, groundwater treatment sludge, DNAPL and water disposed on December 6, 2013.
- Meeting in Gainesville to discuss ISGS on December 18, 2013

4. Upcoming Actions:

- Continuation of landscape surveys and interviews in the Stephen Foster neighborhood.
- NAPL collection at Upper Hawthorn monitoring wells: bi-weekly.
- NAPL collection at temporary Upper Hawthorn ISGS injection points: bi-weekly.
- First quarter groundwater sampling event: planned for February 16 - 21, 2014.
- Routine inspection, operation, maintenance, and monitoring.
- Submission of plans for Off-Property Soil Replacement at properties north of NW 30th Ave
- Soil replacement activities beginning north of NW 30th Ave (February)

5. Schedule Status:

- The current remedial design schedule is attached.
- No significant delays were encountered during the reporting period.
- Detail has been added to schedule for Design Track #1 (Off-Property Soil Replacement – OU-5) to reflect the plan to submit parcel designs in blocks for approval.

6. Plan/Schedule Modifications:

- Minor schedule modifications were made to the schedule submitted last month.

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 project manager for the Stephen Foster soil replacement work.
- Tetra Tech participated in a meeting with Protect Gainesville Citizens on December 17, 2013
- Tetra Tech will participate in an upcoming community meeting sponsored by the City of Gainesville on January 18, 2014
- Future community involvement activities will be coordinated with EPA.

Hawthorn Group Passive NAPL Recovery (Page 1 of 6)

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
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

Hawthorn Group Passive NAPL Recovery (Page 2 of 6)

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)	
8/30/2005	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
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

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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)	
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
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

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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)	
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
8/5/2010	stain	0	1.56	0.2	stain	0	2.31	0.4	3.06	0.5	ND	0	4.7	0.8	1.47	0.15	stain	0	NM	0	2.05
8/19/2010	stain	0	1.96	0.1	stain	0	2.28	0.4	2.9	0.55	ND	0	4.99	0.8	1.06	0.2	stain	0	NM	0	2.05
9/2/2010	stain	0	2.01	0.25	stain	0	2.21	0.4	3.03	0.5	ND	0	4.95	0.65	1.37	0.2	stain	0	NM	0	2
9/15/2010	stain	0	2.08	0.25	stain	0	2.14	0.35	2.98	0.45	ND	0	5.04	0.75	1.07	0.1	stain	0	NM	0	1.9
9/29/2010	stain	0	2.07	0.3	stain	0	2.14	0.4	2.9	0.4	ND	0	4.95	0.65	1.77	0.15	stain	0	NM	0	1.9
10/13/2010	stain	0	2.53	0.4	stain	0	2.19	0.4	2.86	0.45	ND	0	5.2	0.7	1.27	0.15	stain	0	NM	0	2.1
10/28/2010	stain	0	2.51	0.25	stain	0	2.24	0.4	2.95	0.4	ND	0	5.34	0.8	1.05	0.1	stain	0	NM	0	1.95
11/10/2010	stain	0	1.97	0.3	stain	0	2.21	0.4	3.06	0.4	ND	0	5.15	0.75	1.09	0.15	stain	0	NM	0	2
11/24/2010	stain	0	1.9	0.3	stain	0	NM	0.4	2.92	0.4	ND	0	NM	0.75	1.48	0.15	stain	0	NM	0	2
12/9/2010	stain	0	NM	0.4	stain	0	NM	0.4	NM	0.45	ND	0	NM	0.65	NM	0.1	stain	0	NM	0	2
12/21/2010	stain	0	3.05	0.3	stain	0	1.93	0.5	3.02	0.5	ND	0	5.1	0.8	1.1	0.2	stain	0	NM	0	2.3
1/6/2011	stain	0	2.7	0.35	stain	0	2.37	0.4	2.88	0.45	ND	0	4.5	0.6	1.37	0.2	stain	0	NM	0	2
1/19/2011	stain	0	2.9	0.3	stain	0	2.11	0.4	3.11	0.4	ND	0	5.35	0.8	1.91	0.25	stain	0	NM	0	2.15
2/2/2011	stain	0	2.49	0.25	stain	0	2.19	0.4	3.03	0.4	ND	0	5.34	0.65	1.47	0.15	stain	0	NM	0	1.85
2/17/2011	stain	0	2.43	0.2	stain	0	2.18	0.4	3.05	0.4	ND	0	5.54	0.65	1.48	0.15	stain	0	NM	0	1.8
3/3/2011	stain	0	2.56	0.35	stain	0	2.14	0.4	3.12	0.45	ND	0	5.53	0.8	0.63	0.1	stain	0	NM	0	2.1
3/16/2011	stain	0	2.05	0.3	stain	0	1.94	0.4	2.96	0.4	ND	0	5.4	0.7	1.4	0.15	stain	0	NM	0	1.95
3/30/2011	stain	0	1.88	0.25	stain	0	2.08	0.4	3.03	0.4	ND	0	5.53	0.75	1.03	0.1	stain	0	NM	0	1.9
4/13/2011	stain	0	2.23	0.35	stain	0	1.67	0.35	2.94	0.4	ND	0	5.53	0.75	1.03	0.15	stain	0	NM	0	2
4/28/2011	stain	0	2.89	0.3	stain	0	2.09	0.4	3.02	0.4	ND	0	5.64	0.75	0.7	0.1	stain	0	NM	0	1.95
5/11/2011	stain	0	2.55	0.35	stain	0	1.98	0.4	2.92	0.4	ND	0	5.46	0.65	0.85	0.15	stain	0	NM	0	1.95
5/26/2011	stain	0	1.9	0.3	stain	0	1.98	0.4	3.05	0.4	ND	0	5.13	0.65	1.53	0.25	stain	0	NM	0	2
6/8/2011	stain	0	2.56	0.3	stain	0	2.03	0.4	2.89	0.4	ND	0	4.96	0.75	0.7	0.15	stain	0	NM	0	2
6/23/2011	stain	0	2.1	0.4	stain	0	2.19	0.4	3.05	0.45	ND	0	4.70	0.5	1.55	0.2	stain	0	NM	0	1.95
7/7/2011	stain	0	1.71	0.25	stain	0	2.14	0.4	3.05	0.4	ND	0	5.5	0.7	1.37	0.15	stain	0	NM	0	1.9
7/20/2011	stain	0	2.08	0.25	stain	0	1.94	0.4	2.86	0.35	ND	0	5.13	0.75	0.77	0.1	stain	0	NM	0	1.85
8/4/2011	stain	0	2.55	0.4	stain	0	2.19	0.45	2.66	0.4	ND	0	5.45	0.7	0.54	0.1	stain	0	NM	0	2.05
8/17/2011	stain	0	1.81	0.25	stain	0	2.11	0.4	2.91	0.4	ND	0	5.40	0.75	1.25	0.15	stain	0	NM	0	1.95
9/1/2011	stain	0	2.06	0.35	stain	0	2.18	0.4	2.92	0.35	ND	0	5.13	0.7	1.03	0.15	stain	0	NM	0	1.95
9/15/2011	stain	0	2.35	0.35	stain	0	2.04	0.4	2.46	0.4	ND	0	5.37	0.55	1.33	0.25	stain	0	NM	0	1.95
9/29/2011	stain	0	2.28	0.4	stain	0	1.98	0.4	2.86	0.4	ND	0	5.50	0.6	1.21	0.25	stain	0	NM	0	2.05
10/13/2011	stain	0	2.51	0.35	stain	0	1.97	0.4	2.84	0.35	ND	0	5.37	0.75	0.52	0.15	stain	0	NM	0	2
10/26/2011	stain	0	2.08	0.35	stain	0	1.68	0.35	3.04	0.4	ND	0	5.10	0.7	1.14	0.2	stain	0	NM	0	2
11/9/2011	stain	0	2.02	0.3	stain	0	1.61	0.3	2.95	0.4	ND	0	5.13	0.75	1.74	0.15	stain	0	NM	0	1.9
11/27/2011	stain	0	1.91	0.35	stain	0	2.24	0.4	2.92	0.45	ND	0	5.51	0.7	1.05	0.1	stain	0	NM	0	2
12/8/2011	stain	0	1.88	0.3	stain	0	1.64	0.3	3.12	0.35	ND	0	4.83	0.65	1.02	0.15	stain	0	NM	0	1.75
12/22/2011	stain	0	2	0.2	stain	0	1.94	0.35	2.36	0.4	ND	0	5.89	0.7	0.76	0.1	stain	0	NM	0	1.75
1/5/2012	stain	0	2.91	0.35	stain	0	1.97	0.3	2.87	0.3	ND	0	5.10	0.5	1.47	0.2	stain	0	NM	0	1.65
1/19/2012	stain	0	2.21	0.35	stain	0	2.38	0.4	2.87	0.4	ND	0	5.30	0.55	1.74	0.25	stain	0	NM	0	1.95

Hawthorn Group Passive NAPL Recovery (Page 5 of 6)

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)	
2/2/2012	stain	0	2.39	0.25	stain	0	2.19	0.5	2.86	0.4	ND	0	5.90	0.85	1.43	0.15	stain	0	NM	0	2.15
2/16/2012	stain	0	2.54	0.4	stain	0	2.29	0.45	2.75	0.4	ND	0	5.90	0.75	1.53	0.25	stain	0	NM	0	2.25
2/29/2012	stain	0	2.05	0.35	stain	0	2.39	0.45	2.76	0.35	ND	0	5.80	0.8	1.07	0.15	stain	0	NM	0	2.1
3/14/2012	stain	0	1.99	0.25	stain	0	2.27	0.45	2.63	0.4	ND	0	5.99	0.75	1.05	0.1	stain	0	NM	0	1.95
3/29/2012	stain	0	1.93	0.25	stain	0	2.47	0.45	2.57	0.4	ND	0	5.73	0.75	0.95	0.1	stain	0	NM	0	1.95
4/11/2012	stain	0	1.83	0.4	stain	0	2.5	0.4	2.6	0.4	ND	0	4.54	0.8	0.93	0.1	stain	0	NM	0	2.1
4/25/2012	stain	0	2.48	0.4	stain	0	2.68	0.45	2.46	0.3	ND	0	5.90	0.8	0.65	0.1	stain	0	NM	0	2.05
5/10/2012	stain	0	1.96	0.3	stain	0	2.62	0.5	2.95	0.35	ND	0	4.73	1	0.53	0.1	stain	0	NM	0	2.25
5/23/2012	stain	0	1.9	0.3	stain	0	2.74	0.5	2.16	0.35	ND	0	4.93	0.9	0.64	0.1	stain	0	NM	0	2.15
6/6/2012	stain	0	1.98	0.25	stain	0	2.98	0.45	2.55	0.3	ND	0	4.85	0.7	1.05	0.15	stain	0	NM	0	1.85
6/21/2012	stain	0	1.87	0.4	stain	0	2.9	0.5	2.85	0.4	ND	0	6.11	0.85	0.83	0.1	stain	0	NM	0	2.25
7/8/2012	stain	0	1.64	0.4	stain	0	2.95	0.45	2.46	0.4	ND	0	4.78	0.9	0.73	0.1	stain	0	NM	0	2.25
7/18/2012	stain	0	1.57	0.35	stain	0	2.97	0.45	2.25	0.45	ND	0	5.73	0.7	0.83	0.1	stain	0	NM	0	2.05
8/2/2012	stain	0	1.83	0.3	stain	0	2.68	0.4	2.58	0.3	ND	0	5.64	0.75	1.04	0.15	stain	0	NM	0	1.9
8/16/2012	stain	0	2.1	0.25	stain	0	2.77	0.35	2.65	0.3	ND	0	5.85	0.9	1.05	0.15	stain	0	NM	0	1.95
9/2/2012	stain	0	2.18	0.3	stain	0	2.96	0.4	2.78	0.4	ND	0	5.3	0.75	0.83	0.1	stain	0	NM	0	1.95
9/13/2012	stain	0	1.61	0.3	stain	0	2.97	0.4	2.54	0.3	ND	0	5.74	0.8	0.33	0.1	stain	0	NM	0	1.9
9/26/2012	stain	0	2.9	0.3	stain	0	2.38	0.4	2.97	0.4	ND	0	5.85	0.8	0.53	0.1	stain	0	NM	0	2
10/10/2012	stain	0	1.5	0.25	stain	0	1.88	0.4	2.91	0.45	ND	0	5.46	0.8	0.54	0.1	stain	0	NM	0	2
10/25/2012	stain	0	1.42	0.3	stain	0	1.79	0.4	2.51	0.4	ND	0	4.63	0.75	0.79	0.1	stain	0	NM	0	1.95
11/8/2012	stain	0	1.5	0.3	stain	0	1.82	0.35	2.33	0.4	ND	0	4.44	0.75	1.23	0.15	stain	0	NM	0	1.95
11/21/2012	stain	0	1.58	0.4	stain	0	1.77	0.3	2.25	0.3	ND	0	3.88	0.6	1.03	0.1	stain	0	NM	0	1.7
12/5/2012	stain	0	1.47	0.3	stain	0	1.84	0.35	2.22	0.3	ND	0	3.96	0.65	1.12	0.1	stain	0	NM	0	1.7
12/18/2012	stain	0	1.53	0.4	stain	0	1.76	0.4	2.3	0.25	ND	0	4.04	0.6	1.09	0.2	stain	0	NM	0	1.85
1/2/2013	stain	0	1.61	0.3	stain	0	1.87	0.3	2.36	0.3	ND	0	4.23	0.5	1.12	0.1	stain	0	NM	0	1.5
1/16/2013	stain	0	1.6	0.5	stain	0	1.85	0.4	2.36	0.4	ND	0	4.08	0.5	1.07	0.25	stain	0	NM	0	2.05
1/30/2013	stain	0	1.53	0.35	stain	0	1.78	0.4	2.23	0.4	ND	0	4.31	0.5	0.96	0.2	stain	0	NM	0	1.85
2/14/2013	stain	0	1.53	0.35	stain	0	1.8	0.35	2.49	0.4	ND	0	4.17	0.5	0.94	0.1	stain	0	NM	0	1.7
2/27/2013	stain	0	1.3	0.2	stain	0	1.74	0.25	1.85	0.3	ND	0	3.95	0.45	0.83	0.1	stain	0	NM	0	1.3
3/13/2013	stain	0	1.48	0.4	stain	0	1.81	0.4	1.99	0.3	ND	0	3.84	0.6	0.73	0.1	stain	0	NM	0	1.8
3/27/2013	stain	0	1.48	0.45	stain	0	1.82	0.35	1.6	0.4	ND	0	3.95	0.45	0.83	0.15	stain	0	NM	0	1.8
4/10/2013	stain	0	stain	0	stain	0	1.47	0.35	1.63	0.3	ND	0	3.54	0.45	0.77	0.15	stain	0	NM	0	1.25
4/24/2013	stain	0	stain	0	stain	0	1.77	0.35	1.86	0.4	ND	0	3.92	0.5	stain	0	stain	0	NM	0	1.25
5/8/2013	stain	0	stain	0	stain	0	1.7	0.35	1.83	0.4	ND	0	3.78	0.45	stain	0	stain	0	NM	0	1.2
5/22/2013	stain	0	stain	0	stain	0	1.64	0.35	1.83	0.4	ND	0	3.51	0.4	stain	0	stain	0	NM	0	1.15
6/5/2013	stain	0	stain	0	stain	0	1.81	0.4	1.85	0.3	ND	0	3.57	0.4	1.02	0.2	stain	0	NM	0	1.3
6/18/2013	stain	0	stain	0	stain	0	1.47	0.3	1.58	0.3	ND	0	3.43	0.4	stain	0	stain	0	NM	0	1
7/4/2013	stain	0	stain	0	stain	0	1.77	0.4	1.76	0.3	ND	0	3.57	0.5	stain	0	stain	0	NM	0	1.2
7/17/2013	stain	0	stain	0	stain	0	1.67	0.3	1.78	0.3	ND	0	3.19	0.4	0.94	0.15	stain	0	NM	0	1.15
7/31/2013	stain	0	stain	0	stain	0	1.04	0.25	1.65	0.25	ND	0	2.88	0.5	stain	0	stain	0	NM	0	1
8/15/2013	stain	0	stain	0	stain	0	1.72	0.4	1.48	0.3	ND	0	3.58	0.5	stain	0	stain	0	NM	0	1.2
9/4/2013	stain	0	stain	0	stain	0	2.21	0.55	2	0.4	stain	0	3.73	0.5	stain	0	stain	0	NM	0	1.45
9/18/2013	stain	0	stain	0	stain	0	1.7	0.5	1.4	0.3	ND	0	3.33	0.55	stain	0	stain	0	NM	0	1.35
10/3/2013	stain	0	stain	0	stain	0	1.28	0.5	1.46	0.3	ND	0	3.25	0.5	0.8	0.3	stain	0	NM	0	1.6
10/16/2013	stain	0	stain	0	stain	0	1.5	0.4	1.44	0.3	ND	0	2.76	0.45	stain	0	stain	0	NM	0	1.15
10/30/2013	stain	0	stain	0	stain	0	1.57	0.4	1.6	0.35	ND	0	3.07	0.35	stain	0	stain	0	NM	0	1.1
11/14/2013	stain	0	ND	0	stain	0	1.6	0.4	1.74	0.4	ND	0	2.63	0.35	stain	0	stain	0	NM	0	1.15
11/27/2013	stain	0	stain	0	stain	0	0.98	0.3	2.15	0.4	ND	0	2.84	0.4	stain	0	stain	0	NM	0	1.1
12/12/2013	stain	0	stain	0	stain	0	1.68	0.3	3.09	0.4	ND	0	2.64	0.35	0.52	0.25	stain	0	NM	0	1.3
12/26/2013	stain	0	ND	0	stain	0	1.54	0.3	1.82	0.35	ND	0	2.93	0.35	stain	0	stain	0	NM	0	1
Total Removed		0.1		80.10		0.0		135.80		104.80		0.0		170.86		65.95		0.0		0.0	557.61

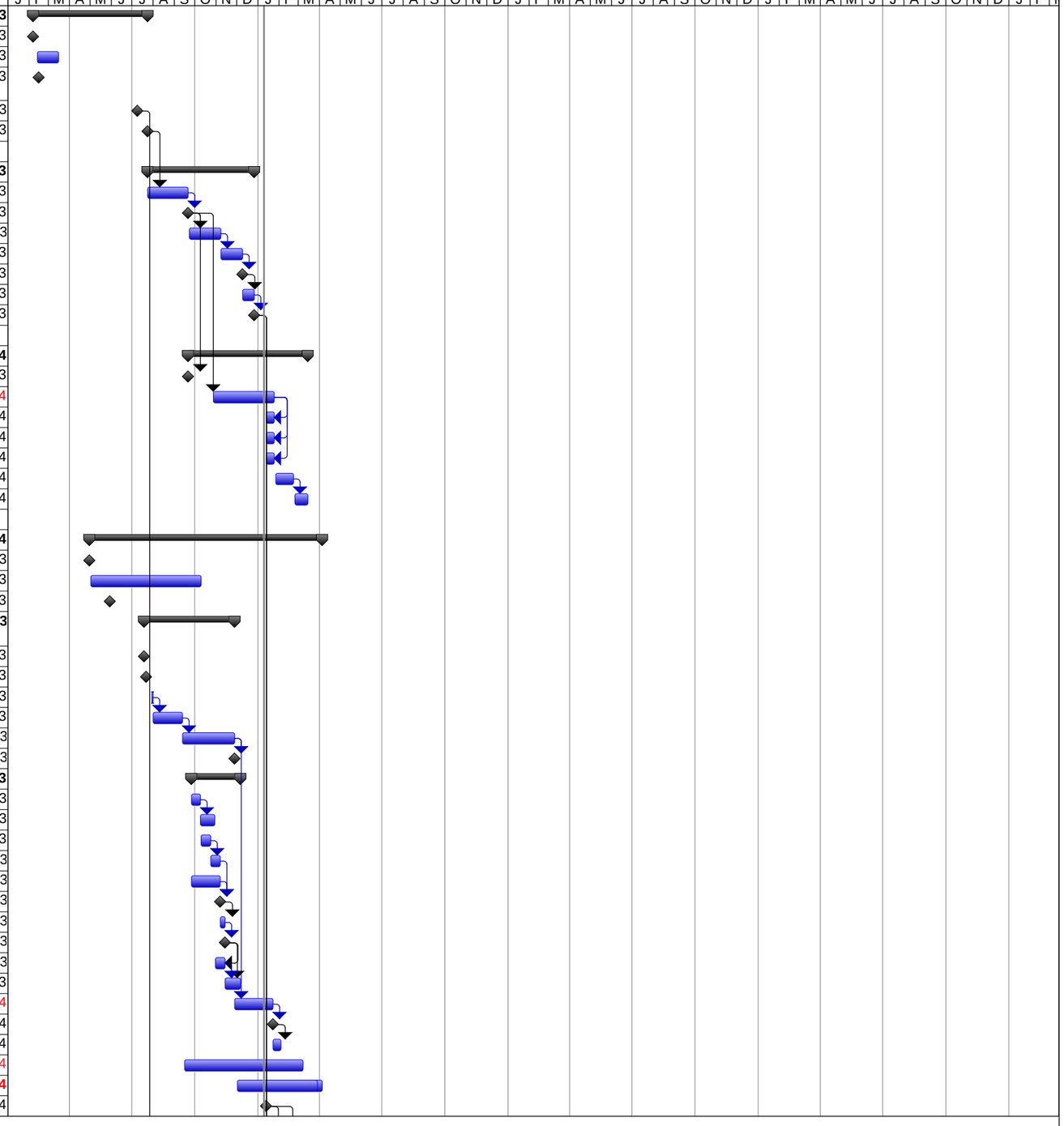
Hawthorn Group Passive NAPL Recovery (Page 6 of 6)

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)	

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

GAINESVILLE REMEDIAL DESIGN

ID	WBS	Task Name	Duration	Predecessors	Start	Finish
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
6	1.5	EPA Issues Authorization to Proceed with Remedial Design	0 days		Wed 7/24/13	Wed 7/24/13
7						
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	Fri 9/20/13
10	2.2	Beazer Submit RDWP	0 wks	9	Fri 9/20/13	Fri 9/20/13
11	2.3	EPA Review and Comment RDWP	6.8 wks	10	Mon 9/23/13	Thu 11/7/13
12	2.4	Beazer Respond to Comments	4.3 wks	11	Fri 11/8/13	Mon 12/9/13
13	2.5	Beazer Submit Responses and RDWP Version 2	0 wks	12	Mon 12/9/13	Mon 12/9/13
14	2.6	EPA Review	2.6 wks	13	Mon 12/9/13	Thu 12/26/13
15	2.7	EPA Approval RDWP	0 wks	14	Thu 12/26/13	Thu 12/26/13
16						
17	**3**	**Supporting Plans for RD/RA**	**25 wks**		**Fri 9/20/13**	**Fri 3/14/14**
18	3.5	Beazer Submit Health & Safety Plan	0 wks	10	Fri 9/20/13	Fri 9/20/13
19	3.2	Materials Management Plan	13 wks	10	Mon 10/28/13	Fri 1/24/14
20	3.6	Stormwater Management Plan	2 wks	19FF	Mon 1/13/14	Fri 1/24/14
21	3.7	Noise and Dust Control Plan	2 wks	19FF	Mon 1/13/14	Fri 1/24/14
22	3.5	Equipment Decontamination Plan	2 wks	19FF	Mon 1/13/14	Fri 1/24/14
23	3.6	Quality Assurance Project Plan (update)	4 wks		Mon 1/27/14	Fri 2/21/14
24	3.7	Data Management Plan	3 wks	23	Mon 2/24/14	Fri 3/14/14
25						
26	**4**	**Off-Property Soil Replacement (OU-5): DESIGN TRACK #1**	**48.8 wks**		**Tue 4/30/13**	**Fri 4/4/14**
27	4.1	Initial Identification of Remediation & Evaluation Parcels	0 wks		Tue 4/30/13	Tue 4/30/13
28	4.2	Obtain Access Agreements for Surveys & Sampling	23 wks		Thu 5/2/13	Wed 10/9/13
29	4.3	Community Information Session	0 wks		Thu 5/30/13	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	Fri 7/19/13
32	4.4.2	EPA Approval of Sampling	0 wks		Mon 7/22/13	Mon 7/22/13
33	4.4.3	Sample Collection	2 days		Tue 7/30/13	Wed 7/31/13
34	4.4.4	Analysis and Validation	6.2 wks	33	Thu 8/1/13	Thu 9/12/13
35	4.4.5	Data Summary Report	10.8 wks	34	Fri 9/13/13	Wed 11/27/13
36	4.4.6	Beazer Submit Data Summary and Fingerprinting Report	0 wks	35	Wed 11/27/13	Wed 11/27/13
37	**4.5**	**Pilot Home Soil Replacement**	**10.3 wks**		**Thu 9/26/13**	**Fri 12/6/13**
38	4.5.1	Survey	1.8 wks		Thu 9/26/13	Tue 10/8/13
39	4.5.2	Design & Interview	3 wks	38	Wed 10/9/13	Tue 10/29/13
40	4.5.3	Borrow Sampling	2 wks		Thu 10/10/13	Wed 10/23/13
41	4.5.4	Sample Analysis	2 wks	40	Thu 10/24/13	Wed 11/6/13
42	4.5.5	Pilot Plan	6 wks		Thu 9/26/13	Wed 11/6/13
43	4.5.6	Submit Pilot Plan	0 wks	42,41	Wed 11/6/13	Wed 11/6/13
44	4.5.7	Review	1 wk	43	Thu 11/7/13	Wed 11/13/13
45	4.5.8	EPA Approval of Pilot Plan	0 wks	44	Wed 11/13/13	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	Preliminary Design Template	8 wks	35	Thu 11/28/13	Wed 1/22/14
49	4.7	Submit Preliminary Design Template	0 wks	48	Wed 1/22/14	Wed 1/22/14
50	4.8	Review and Comment	1.5 wks	49	Thu 1/23/14	Mon 2/3/14
51	4.9	Surveying & Interviews	25 wks		Mon 9/16/13	Fri 3/7/14
52	**4.10**	**Parcel Designs & Remediation Agreements**	**17 wks**		**Mon 12/2/13**	**Fri 3/28/14**
53	4.10.1	Submit Pre-Final Designs & RAWP: Blocks E-H	0 wks		Mon 1/13/14	Mon 1/13/14



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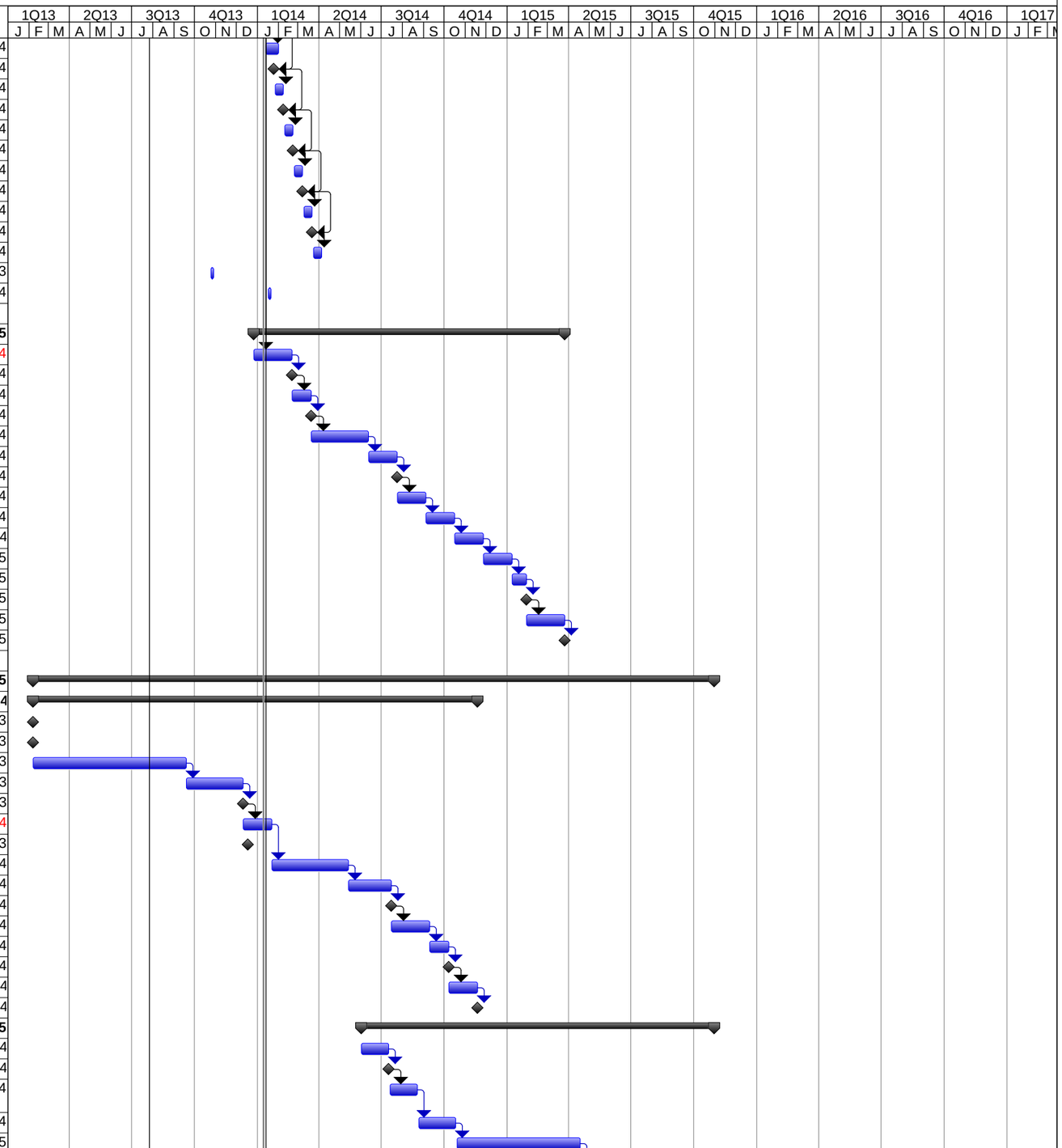
Task Milestone Summary

GAINESVILLE REMEDIAL DESIGN

ID	WBS	Task Name	Duration	Predecessors	Start	Finish
54	4.10.2	Final Design and RAWP Approval: Blocks E-H	3 wks	53	Mon 1/13/14	Fri 1/31/14
55	4.10.3	Submit Pre-Final Designs & RAWP: Block D	0 wks	53FF+2 wks	Fri 1/24/14	Fri 1/24/14
56	4.10.4	Final Design and RAWP Approval: Block D	2 wks	55	Mon 1/27/14	Fri 2/7/14
57	4.10.5	Submit Pre-Final Designs & RAWP: Block C	0 wks	55FF+2 wks	Fri 2/7/14	Fri 2/7/14
58	4.10.6	Final Design and RAWP Approval: Block C	2 wks	57	Mon 2/10/14	Fri 2/21/14
59	4.10.7	Submit Pre-Final Designs & RAWP: Block B	0 wks	57FF+2 wks	Fri 2/21/14	Fri 2/21/14
60	4.10.8	Final Design and RAWP Approval: Block B	2 wks	59	Mon 2/24/14	Fri 3/7/14
61	4.10.9	Submit Pre-Final Designs & RAWP: Block A	0 wks	59FF+2 wks	Fri 3/7/14	Fri 3/7/14
62	4.10.10	Final Design and RAWP Approval: Block A	2 wks	61	Mon 3/10/14	Fri 3/21/14
63	4.10.11	Submit Pre-Final Designs & RAWP: Block I	0 wks	61FF+2 wks	Fri 3/21/14	Fri 3/21/14
64	4.10.12	Final Design and RAWP Approval: Block I	2 wks	63	Mon 3/24/14	Fri 4/4/14
65	4.11	Community Meeting: Landscaping Workshop - City (Oct 26)	2 days		Fri 10/25/13	Mon 10/28/13
66	4.12	Community Meeting (Jan 18 2014)	2 days		Fri 1/17/14	Mon 1/20/14
67						
68	**5**	**Cutoff Wall and Stormwater Controls: DESIGN TRACK #2**	**65 wks**		**Thu 12/26/13**	**Thu 3/26/15**
69	5.1	Pre-Design Work Plan	8 wks	15	Thu 12/26/13	Thu 2/20/14
70	5.2	Submit Pre-Design Work Plan	0 wks	69	Thu 2/20/14	Thu 2/20/14
71	5.3	Review and Approval	4 wks	70	Thu 2/20/14	Thu 3/20/14
72	5.4	EPA Approval of Pre-Design Work Plan	0 wks	71	Thu 3/20/14	Thu 3/20/14
73	5.5	Pre-Design Investigation	12 wks	72	Thu 3/20/14	Thu 6/12/14
74	5.6	Preliminary Design	6 wks	73	Thu 6/12/14	Thu 7/24/14
75	5.7	Submit Preliminary Design	0 wks	74	Thu 7/24/14	Thu 7/24/14
76	5.8	Review and Comment	6 wks	75	Thu 7/24/14	Thu 9/4/14
77	5.9	Pre-Final Design	6 wks	76	Thu 9/4/14	Thu 10/16/14
78	5.10	Review and Comment	6 wks	77	Thu 10/16/14	Thu 11/27/14
79	5.11	Final Design	6 wks	78	Thu 11/27/14	Thu 1/8/15
80	5.12	Review	3 wks	79	Thu 1/8/15	Thu 1/29/15
81	5.13	EPA Approval of Final Design	0 wks	80	Thu 1/29/15	Thu 1/29/15
82	5.14	Prepare RAWP	8 wks	81	Thu 1/29/15	Thu 3/26/15
83	5.15	Submit RAWP	0 wks	82	Thu 3/26/15	Thu 3/26/15
84						
85	**6**	**In-Situ Geochemical Stabilization (ISGS): DESIGN TRACK #3**	**142.4 wks**		**Thu 2/7/13**	**Fri 10/30/15**
86	**6.1**	**Process Area**	**92.8 wks**		**Thu 2/7/13**	**Tue 11/18/14**
87	6.1.1	EPA Approval of ISGS Demonstration Work Plan (2012)	0 wks		Thu 2/7/13	Thu 2/7/13
88	6.1.2	Preliminary Design (included in Demonstration Work Plan)	0 wks		Thu 2/7/13	Thu 2/7/13
89	6.1.3	Characterization and DNAPL Recovery (began 2012)	32 wks		Thu 2/7/13	Wed 9/18/13
90	6.1.4	Characterization Report and Pilot Test Plan	11.8 wks	89	Thu 9/19/13	Tue 12/10/13
91	6.1.5	Submit Characterization Report and Pilot Test Plan	0 wks	90	Tue 12/10/13	Tue 12/10/13
92	6.1.6	Review and Approval of Pilot Test Plan	6 wks	91	Wed 12/11/13	Tue 1/21/14
93	6.1.7	Technical Working Group Meeting	0 wks		Wed 12/18/13	Wed 12/18/13
94	6.1.8	Pilot Injection Testing	16 wks	92	Wed 1/22/14	Tue 5/13/14
95	6.1.9	Pre-Final Design	9 wks	94	Wed 5/14/14	Tue 7/15/14
96	6.1.10	Submit Pre-Final Design	0 wks	95	Tue 7/15/14	Tue 7/15/14
97	6.1.11	Review and Comment	8 wks	96	Wed 7/16/14	Tue 9/9/14
98	6.1.12	Final Design and RAWP	4 wks	97	Wed 9/10/14	Tue 10/7/14
99	6.1.13	Submit Final Design and RAWP	0 wks	98	Tue 10/7/14	Tue 10/7/14
100	6.1.14	Review	6 wks	99	Wed 10/8/14	Tue 11/18/14
101	6.1.15	EPA Approval of Final Design and RAWP	0 wks	100	Tue 11/18/14	Tue 11/18/14
102	**6.2**	**South Lagoon**	**74 wks**		**Mon 6/2/14**	**Fri 10/30/15**
103	6.2.1	Preliminary Design & Design Investigation Work Plan	6 wks		Mon 6/2/14	Fri 7/11/14
104	6.2.2	Submit Preliminary Design & Design Investigation Work Plan	0 wks	103	Fri 7/11/14	Fri 7/11/14
105	6.2.3	Review and Approval Preliminary Design & Design Investigation Work Plan	6 wks	104	Mon 7/14/14	Fri 8/22/14
106	6.2.4	Installation of Borings and DNAPL Recovery Wells	8 wks	105	Mon 8/25/14	Fri 10/17/14
107	6.2.5	Collection of Baseline Data	26 wks	106	Mon 10/20/14	Fri 4/17/15



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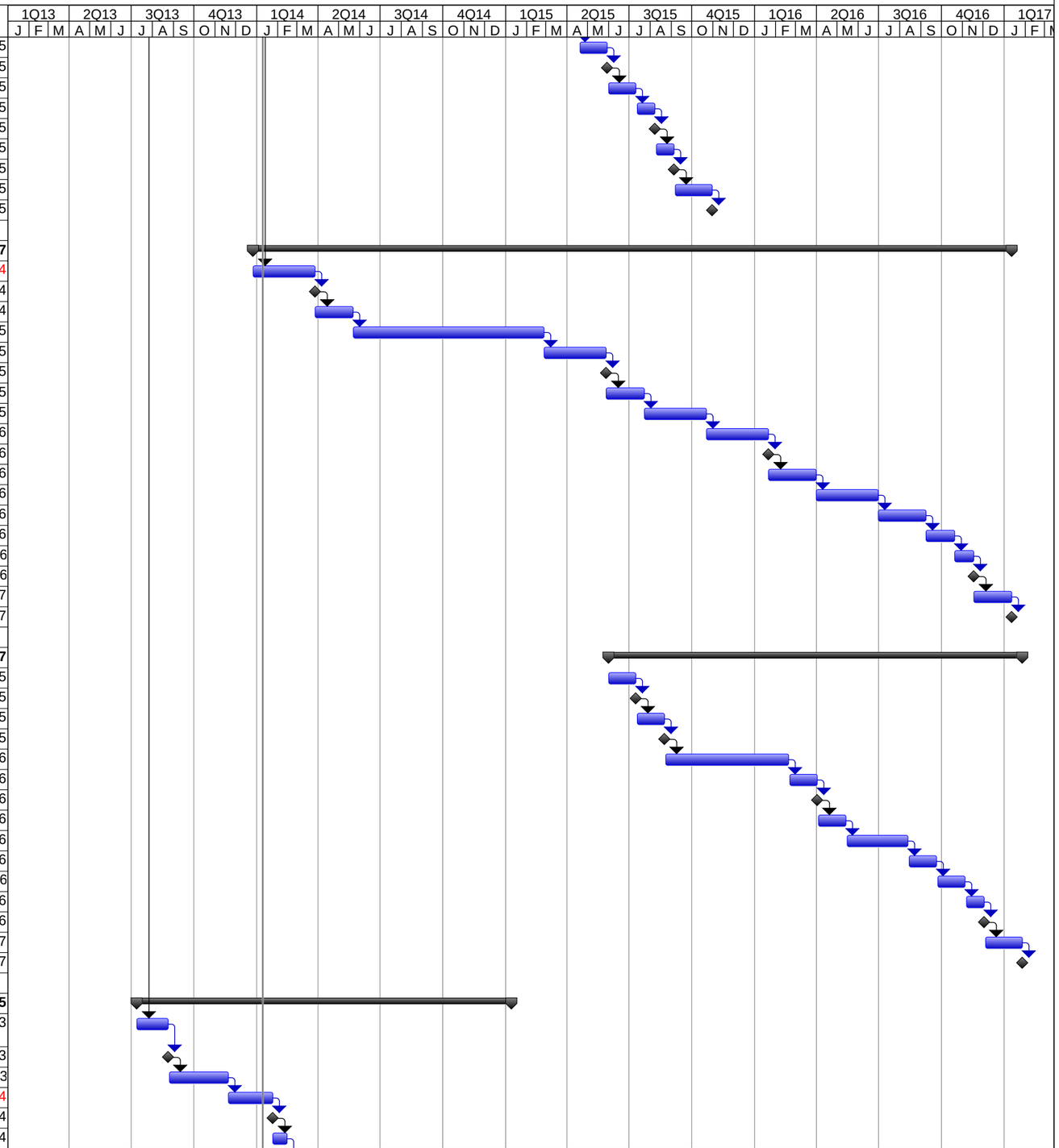
Task Milestone Summary

GAINESVILLE REMEDIAL DESIGN

ID	WBS	Task Name	Duration	Predecessors	Start	Finish
108	6.2.6	Pre-Final Design	6 wks	107	Mon 4/20/15	Fri 5/29/15
109	6.2.7	Submit Pre-Final Design	0 wks	108	Fri 5/29/15	Fri 5/29/15
110	6.2.8	Review and Comment	6 wks	109	Mon 6/1/15	Fri 7/10/15
111	6.2.9	Final Design	4 wks	110	Mon 7/13/15	Fri 8/7/15
112	6.2.10	Submit Final Design	0 wks	111	Fri 8/7/15	Fri 8/7/15
113	6.2.11	Review	4 wks	112	Mon 8/10/15	Fri 9/4/15
114	6.2.12	EPA Approval of Final Design	0 wks	113	Fri 9/4/15	Fri 9/4/15
115	6.2.13	Prepare RAWP	8 wks	114	Mon 9/7/15	Fri 10/30/15
116	6.2.14	Submit RAWP	0 wks	115	Fri 10/30/15	Fri 10/30/15
117						
118	**7**	**In-Situ Solidification/Stabilization (ISS/S): DESIGN TRACK #4**	**159 wks**		**Thu 12/26/13**	**Thu 1/12/17**
119	7.1	Pre-Design Investigation & Treatability Test Workplan	13 wks	15	Thu 12/26/13	Thu 3/27/14
120	7.2	Beazer Submit Pre-Design Investigation & Treatability Test WP	0 wks	119	Thu 3/27/14	Thu 3/27/14
121	7.3	Review and Approval	8 wks	120	Thu 3/27/14	Thu 5/22/14
122	7.4	Conduct Pre-Design Investigation & Treatability Test	40 wks	121	Thu 5/22/14	Thu 2/26/15
123	7.5	Pilot Test Workplan	13 wks	122	Thu 2/26/15	Thu 5/28/15
124	7.6	Beazer Submit Pilot Test Workplan	0 wks	123	Thu 5/28/15	Thu 5/28/15
125	7.7	Review and Approval	8 wks	124	Thu 5/28/15	Thu 7/23/15
126	7.8	Conduct Pilot Test	13 wks	125	Thu 7/23/15	Thu 10/22/15
127	7.9	Preliminary Design	13 wks	126	Thu 10/22/15	Thu 1/21/16
128	7.10	Submit Preliminary Design	0 wks	127	Thu 1/21/16	Thu 1/21/16
129	7.11	Review and Comment	10 wks	128	Thu 1/21/16	Thu 3/31/16
130	7.12	Pre-Final Design	13 wks	129	Thu 3/31/16	Thu 6/30/16
131	7.13	Review and Comment	10 wks	130	Thu 6/30/16	Thu 9/8/16
132	7.14	Final Design	6 wks	131	Thu 9/8/16	Thu 10/20/16
133	7.15	Review and Approval	4 wks	132	Thu 10/20/16	Thu 11/17/16
134	7.16	EPA Approval of Final Design	0 wks	133	Thu 11/17/16	Thu 11/17/16
135	7.17	Prepare RAWP	8 wks	134	Thu 11/17/16	Thu 1/12/17
136	7.18	Submit RAWP	0 wks	135	Thu 1/12/17	Thu 1/12/17
137						
138	**8**	**Other Engineered Components: DESIGN TRACK #5**	**87 wks**		**Mon 6/1/15**	**Fri 1/27/17**
139	8.1	Pre-Design Work Plan	6 wks		Mon 6/1/15	Fri 7/10/15
140	8.2	Submit Pre-Design Work Plan	0 wks	139	Fri 7/10/15	Fri 7/10/15
141	8.3	Review and Approval	6 wks	140	Mon 7/13/15	Fri 8/21/15
142	8.4	EPA Approval of Pre-Design Work Plan	0 wks	141	Fri 8/21/15	Fri 8/21/15
143	8.5	Pre-Design Investigation	26 wks	142	Mon 8/24/15	Fri 2/19/16
144	8.6	Preliminary Design	6 wks	143	Mon 2/22/16	Fri 4/1/16
145	8.7	Submit Preliminary Design	0 wks	144	Fri 4/1/16	Fri 4/1/16
146	8.8	Review and Comment	6 wks	145	Mon 4/4/16	Fri 5/13/16
147	8.9	Pre-Final Design	13 wks	146	Mon 5/16/16	Fri 8/12/16
148	8.10	Review and Comment	6 wks	147	Mon 8/15/16	Fri 9/23/16
149	8.11	Final Design	6 wks	148	Mon 9/26/16	Fri 11/4/16
150	8.12	Review	4 wks	149	Mon 11/7/16	Fri 12/2/16
151	8.13	EPA Approval of Final Design	0 wks	150	Fri 12/2/16	Fri 12/2/16
152	8.14	Prepare RAWP	8 wks	151	Mon 12/5/16	Fri 1/27/17
153	8.15	Submit RAWP	0 wks	152	Fri 1/27/17	Fri 1/27/17
154						
155	**9**	**Institutional Control**	**78.7 wks**		**Tue 7/9/13**	**Fri 1/9/15**
156	9.1	Prepare Institutional Control Implementation and Assurance Plan (ICIAP)	6.8 wks	5	Tue 7/9/13	Fri 8/23/13
157	9.2	Submit ICIAP	0 wks	156	Fri 8/23/13	Fri 8/23/13
158	9.3	Review	12.5 wks	157	Mon 8/26/13	Wed 11/20/13
159	9.4	Beazer Respond to Comments	9.4 wks	158	Wed 11/20/13	Fri 1/24/14
160	9.5	Beazer Submit Responses & ICIAP Version 2	0 wks	159	Fri 1/24/14	Fri 1/24/14
161	9.6	Review	3 wks	160	Fri 1/24/14	Fri 2/14/14



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Task Milestone Summary

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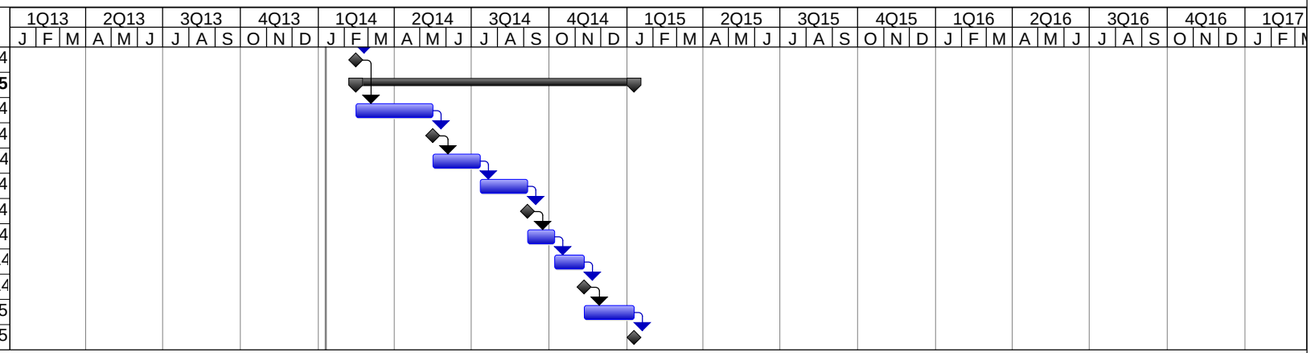
ID	WBS	Task Name	Duration	Predecessors	Start	Finish
162	9.7	EPA and FDEP Approval of ICIAP	0 wks	161	Fri 2/14/14	Fri 2/14/14
163	**9.8**	**Implement Beazer-Property Restrictive Covenant**	**47 wks**		**Fri 2/14/14**	**Fri 1/9/15**
164	9.8.1	Draft Proprietary Controls Package	13 wks	162	Fri 2/14/14	Fri 5/16/14
165	9.8.2	Submit Draft Proprietary Controls Package	0 wks	164	Fri 5/16/14	Fri 5/16/14
166	9.8.3	Review and Updating	8 wks	165	Fri 5/16/14	Fri 7/11/14
167	9.8.4	Update Title Search and Prepare Public Notice	8 wks	166	Fri 7/11/14	Fri 9/5/14
168	9.8.5	Beazer Publish Public Notice	0 wks	167	Fri 9/5/14	Fri 9/5/14
169	9.8.6	Public Comment Period	4.4 wks	168	Fri 9/5/14	Tue 10/7/14
170	9.8.7	Address Comments and Exectute Restrictive Covenant	5 wks	169	Tue 10/7/14	Tue 11/11/14
171	9.8.8	Record Restrictive Covenant at Alacha County Clerk of Court	0 wks	170	Tue 11/11/14	Tue 11/11/14
172	9.8.9	Prepare Final Proprietary Controls Package	8.6 wks	171	Tue 11/11/14	Fri 1/9/15
173	9.8.10	Submit Final Proprietary Controls Package	0 wks	172	Fri 1/9/15	Fri 1/9/15



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