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Mr. Richard Ho, RPM/OSC
U.S. Environmental Protection Agency—Region 2
Emergency and Remedial Response Division
290 Broadway, Floor 19
New York, NY 10007-1866

August 9, 2017

Subject: Quanta Resources Corporation Superfund Site, Operable Unit 1 (OU1), Edgewater, New Jersey, Progress Report: July 2017

Dear Mr. Ho,

This letter is the progress report required pursuant to the U.S. Environmental Protection Agency (EPA) Consent Decree (CD) for the Remedial Design (RD) and Remedial Action (RA) at the Quanta Resources Corporation Superfund Site, OU1, which was finalized with the courts on March 11, 2013.

Health and Safety

- Through July, approximately 17,990 man-hours worked without a loss-time incident
- No recordables occurred in the month of July.

Work Completed

The activities completed during July to comply with the Consent Decree are described in the following subsections. Figure 1 depicts the bulkhead and ISS activities completed as of the end of July.

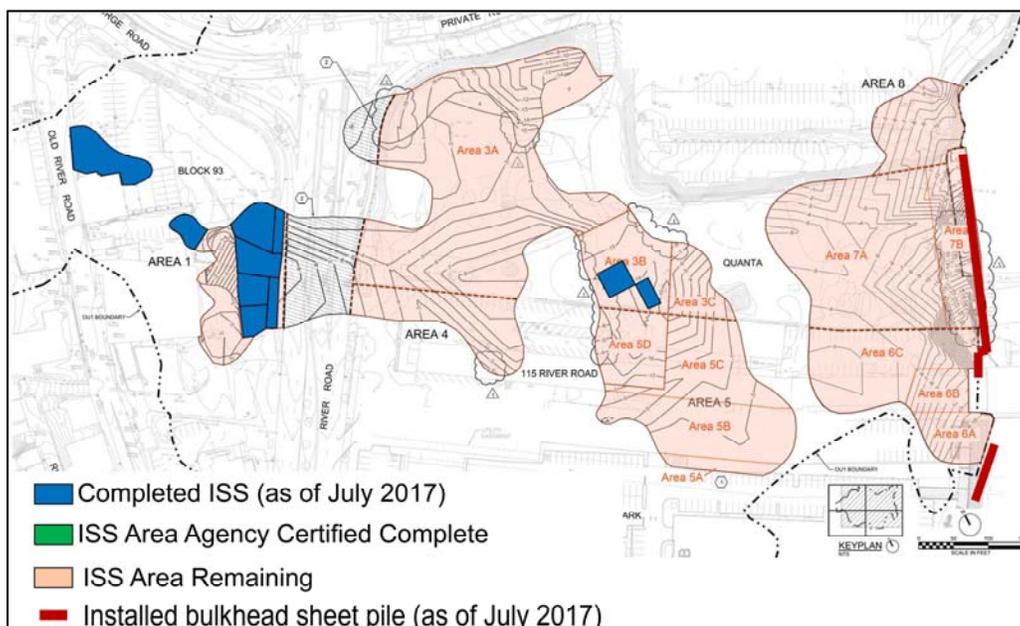


Figure 1. Bulkhead and ISS Progress through July 2017

ISS Areas shown are approximate and not drawn to scale

OU1 NAPL Recovery

- Completed biweekly NAPL pumping at RW4-2 and regular NAPL sentry well gauging
- Conducted quarterly baildown test at RW4-2 on July 27
- Initiated planning activities for installation of new sentry well at NAPL Zone 4 and for reinstallation of sentry well TW-01 (destroyed during iPark redevelopment)

OU1 General Civil Work Supporting Remediation

- Began rock-crushing operation and removal of the overburden in ISS Area 8
- On the main Quanta property, removed existing concrete pads, tree stumps, and an old, rusted dumpster
- Planned the relocation of utilities to the pier building
- Completed reinforcing head house wall
- Removed surface concrete in Area 6C
- Delivered and spread dense graded aggregate over portions of the ISS areas on Block 93 to temporarily cover the driveway to the restaurant on Block 93 North
- Completed transfer of stockpiled debris from Area 1 Block 93 to main Quanta property
- Continued clearing activities in Areas 5A and 5B
- Completed North Parking Lot maintenance/cleaning and re-striping
- Continued foaming of areas as needed for odor control
- Continued stockpile management as needed
- Continued dust suppression as needed

OU1 Bulkhead Installation

- Completed installation of the steel bulkhead within Segment A (south of 115 River Road)
- Completed approximately 80 percent of the steel bulkhead installation within Segment D
- Completed two test pits in Segment E to evaluate cribbing location
- Completed approximately 40 percent of the steel bulkhead installation within Segment E
- Continued monitoring and recording turbidity readings as necessary

OU1 In Situ Solidification/Stabilization

- Completed all accessible ISS activities in Area 1 Block 93 (pending PSE&G gas line work)
- Decommissioned grout plant and relocated components to main Quanta property
- Began predigging in Area 3B to prepare for ISS activities
- Started ISS in Areas 3B and 7

OU1 Vibration and Air Monitoring

- Continued with vibration monitoring
- Installed additional prisms on 115 River Road building for additional vibration monitoring; these had not been originally planned as the building was expected to have been demolished prior to the start of bulkhead installation
- Continued perimeter air monitoring in accordance with the Perimeter Air Monitoring Plan

OU1 Offsite Waste Disposal

- Hazardous
 - Four drums of NAPL-stained PPE to Cycle Chem in Lewisburg, PA on July 6, 2017
 - One drum of a NAPL/water mixture to Veolia in Middlesex, MA on July 6, 2017

- **Non-hazardous**
 - One 20-CY rolloff of asphalt to Reliable Wood, Inc. on July 6, 2017
 - One 20-CY rolloff of asphalt to Reliable Wood, Inc. on July 7, 2017
 - One 20-CY rolloff of asphalt to Reliable Wood, Inc. on July 12, 2017
 - One 20-CY rolloff of mixed metals to EverGreen Recycling Solutions on July 18, 2017
 - One 20-CY rolloff of asphalt to Reliable Wood, Inc. on July 21, 2017
 - One 30-CY rolloff of vegetation and wood stumps to Reliable Wood, Inc. on July 24, 2017
 - One 30-CY rolloff of construction and demolition debris to Conestoga Landfill on July 25, 2017
 - One 30-CY rolloff of vegetation and wood stumps to Reliable Wood, Inc. on July 26, 2017

OU1 HCAA

- Collected groundwater on July 25 and 26 from the HCAA to initiate bench-scale testing in accordance with the HCAA ZVI Testing Bench-scale Testing Work Plan

Site Security, Maintenance, and Boom Inspection

- Completed weekly boom inspections and SWPPP inspections
- Replaced soft booms and repaired the hard booms on July 7, 2017.
- Repaired hard booms after OU2 work on July 29, 2017.

Two Week Look Ahead

- Complete installation of steel bulkhead in front of the Quanta and City Place property (Segment E and F)
- Continue with ISS on the main Quanta property in Areas 3 and Area 7. Upon completion of debris removal within Areas 5A and Areas 5B, ISS activities will commence there (anticipated week of August 14) and planned to last for two weeks
- PSE&G is completing relocation of the gas line on the 115 River Road property. Once complete, the gas line on Block 93 will be capped and abandoned allowing remediation activities to be completed.

Data and Submittals

ISS Compliance Data Summary

All required samples to demonstrate ISS compliance with the unconfined compressive strength and permeability criteria, and the 90 percent leaching reduction goal have been collected as required by the approved remedial action work plan and QAPP. The ISS Results Dashboard (Attachment B) presents both results for 28-day cure time compliance samples and earlier conformance data results (that is, for cure times less than 28 days) where available for ISS Areas 1 and 2. ISS results for Area 3B are not yet available as mixing commenced on July 24. All available compliance results meet applicable criteria.

Air Monitoring Data Summary

Attached is an Air Monitoring Dashboard (Attachment A) detailing a summary July's air monitoring results.

NAPL Recovery Data Summary

A total of 49 gallons of NAPL was recovered from RW4-2 during pumping in July. All remaining NAPL recovery wells are in a gauging-only status or were abandoned in preparation for ISS activities. Baildown testing was performed on July 27, 2017. Complete results will be transmitted to EPA in the forthcoming Quarterly Data Transmittal for NAPL Recovery.

Deliverables and Submittals

- Submitted Final Vapor Intrusion 2016/2017 Results Report on July 11 to EPA and NJDEP
- Submitted additional details on the Block 93 Central redevelopment and foundation plan on July 19 to EPA for approval
- Submitted the Quarterly NAPL Recovery Data Transmittal for the period of February through April 2017 on July 20 to EPA and NJDEP

Issues and Corrective Actions

Air Monitoring

See the air monitoring dashboard (Attachment A) that summarizes the results above alert or action levels during real-time monitoring, and for a graphical depiction of air sample results for naphthalene. When elevated real-time monitoring results were observed, measures were immediately applied to reduce dust and TVOC results to below alert/action levels. These included:

- Additional application of foam to reduce TVOC levels
- Application of water to reduce dust levels
- Halting work to reevaluate approach (i.e., when filling the batch plants)

Samples continue to be taken twice per week at two locations each time. Laboratory analytical results for air monitoring samples indicated naphthalene levels above the Risk Screening Level (RSL) of 4.62 $\mu\text{g}/\text{m}^3$ during July, which brought the running project average at the end of July to over the RSL. The increase in the running average is due primarily to a detection at 100 $\mu\text{g}/\text{m}^3$ in one sample on July 18, which is suspected to have been a result of nearby equipment exhaust during the work day. Measures being evaluated and implemented at the site to reduce the naphthalene concentrations include:

- Installation of a scrubber on the excavator being used for crushing activities.
- Retrofitting of the exhaust on the concrete crusher
- Additional application of foam on any area where soil is being managed. Instead of waiting for real-time monitoring exceedances, foam will be applied at all times when soil is being handled.
- Adjust operational practices at the site to minimize disruption to the subsurface.

Vibration Monitoring

Vibration measurements above the threshold value were received at vibration monitoring station S-4 (at the northeast corner of the concrete apron at the 115 River Road shoreline) at 0915 and 0926 on July 7, 2017, and at 0921 on July 11, 2017, as a result of Severson attempting to drive sheets to grade. CH2M informed Severson about the exceedances and it was determined that the likely cause was that the monitor itself was hit during the sheeting installation, thus resulting in the exceedance. No further action was taken.

115 River Road Access

As described in Honeywell's July 13 letter to EPA, access to portions of the 115 River Road property have been impeded by the owner despite the existence of a signed access agreement allowing access for the performance of this work. Honeywell representatives met with the owners of 115 River Road parcels on July 14, 2017, to further discuss the schedule and logistics for implementation of the required remedy in accordance with the Record of the Decision. An agreement was made between Honeywell and the

owner on moving forward with the remedial action in a phased approach. Honeywell will continue to provide EPA updates on the status of the ongoing negotiations and any further access concerns.

Stakeholder Communication and Community Involvement

- Submitted the monthly progress report for June on July 5
- On July 12, 2017, a tenant of building 115 communicated with EPA that the tenant had felt the building shake and was concerned; no details were provided regarding this report (time of day, duration, etc.)
- Hosted and attended biweekly calls on July 12 and July 26 with EPA, NJDEP, USACE, Honeywell, and CH2M
- Uploaded daily air monitoring results to www.quantaremediation.com

Activities Planned for Next 6 Weeks

- Complete overburden removal in ISS Area 8
- Complete the ISS on Block 93, Area 1 after the PSE&G gas line work is finished
- Continue ISS in Areas 3B and 7
- Complete the civil and ISS work in ISS Areas 5A and 5B
- Continue with steel bulkhead installation
- Continue regular NAPL recovery and monitoring, air monitoring, and vibration monitoring
- Initiate bench-scale testing in accordance with the HCAA ZVI Testing Bench-scale Testing Work Plan

Schedule Update and Delays

The overall schedule for the OU1 remediation has been extended approximately one month as a result of the delays described in the following subsections. To keep the project moving forward, the ISS work sequencing has been modified to allow the Civil and ISS Contractors to continue working in other areas of OU1 while delays in specific portions of the site are resolved.

PSE&G Gas Line

As detailed in the July 7 email to EPA and NJDEP, the team left approximately 25% of the required ISS work to be completed at a later date once PSE&G have abandoned a gas line on Block 93. Work is scheduled to be completed at the end of August/Early September

115 River Road Access

As detailed in letter dated July 13, 2017, the site owner of portions of 115 River Road have hindered access to complete the remediation. Honeywell will continue to be proactively work with the site owner.

Percent Complete

Work associated with the OU1 ISS Remedial Action is approximately 21 percent complete based upon the baseline schedule provided on February 15, 2017, with a revised schedule showing construction starting on Block 93 provided on May 3, 2017.

Schedule Update

A revised schedule as of August 1, 2017 is attached (Attachment C) detailing the changes from the baseline schedule.

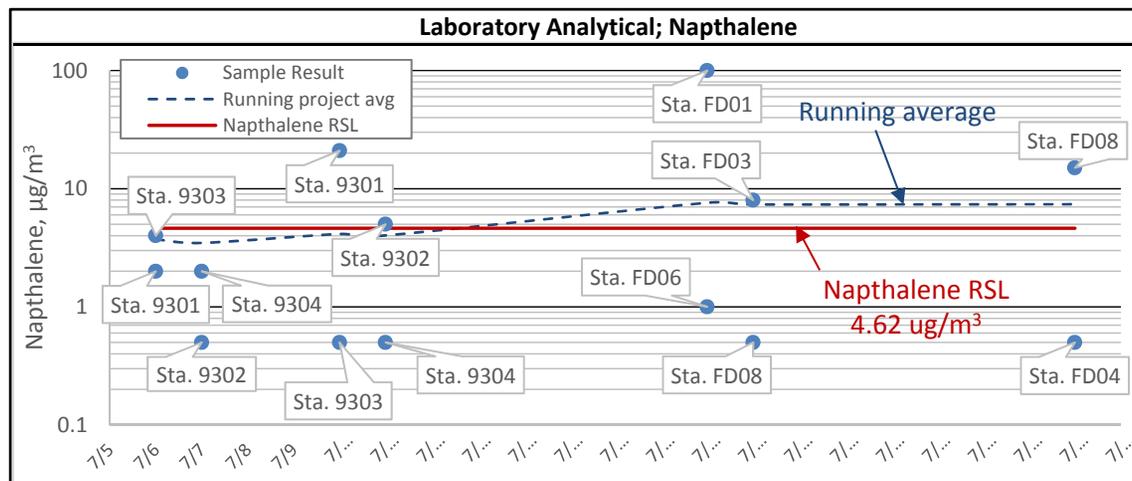
Attachment A - Quanta Air Monitoring Results Dashboard

July 2017

Real-Time Monitoring									
Work Day	Maximum Detected		Wind Direc.	Notes/ Actions Taken	Work Day	Maximum Detected		Wind Direc.	Notes/ Actions Taken
	Dust as PM ₁₀ µg/m ³	TVOCs ppm				Dust as PM ₁₀ µg/m ³	TVOCs ppm		
3-Jul-17	40	0.1	WNW		18-Jul-17	137	0.2	SSE	Dust 121 after bkgd; exhaust
5-Jul-17	354	0.5	ESE	Ceased crushing, applied controls.	19-Jul-17	50	0.1	W	
6-Jul-17	310	2.4	SE	Ceased crushing, applied controls. Offsite TVOC source.	20-Jul-17	141	1.3	W	Dust 95 after bkgd. Offsite TVOC source. Scrubber installed on crusher.
7-Jul-17	20	0.4	ENE		21-Jul-17				
10-Jul-17	163	0.3	SSE	139 after bkgd. Applied controls to crusher.	24-Jul-17	N/A - rain	0.7	NNE	
11-Jul-17	205	0.2	W	Upwind dust source	25-Jul-17	75	0.1	E	
12-Jul-17	182	0.3	WSW	Upwind dust source	26-Jul-17	142	0.5	SE	Dust 129 after bkgd; exhaust
13-Jul-17	101	0.1	WSW	Upwind dust source	27-Jul-17	152	2.2	SSE	Ceased ISS, applied foam. Dust upwind.
14-Jul-17	N/A - rain	0.1	ESE		28-Jul-17	105	0.6	E	Dust 62 after bkgd
17-Jul-17	205	0.3	SSE	Water mist/exhaust	31-Jul-17	90	0.6	ESE	

Note: Orange shading indicates initial result above action level.

Dust alert level = 100 µg/m³; Dust action level = 150 µg/m³. TVOC alert level = 1.0 ppm; TVOC action level = 1.5 ppm.



General Notes:

Complete data results, discussion of all excursions above alert/action levels, potential causes, and corrective actions will be detailed in the quarterly air monitoring data report.

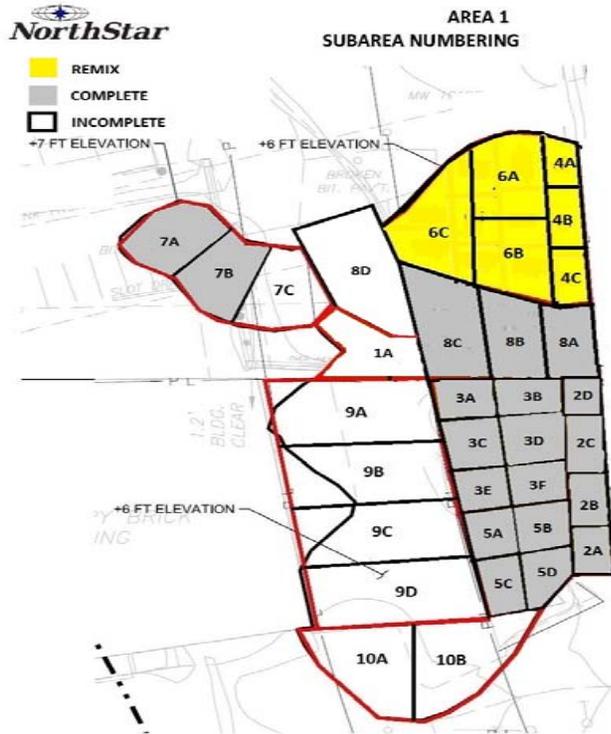
Napthalene is the only COC that has been detected above the risk screening level (RSL*) in daily samples. Samples are collected periodically in accordance with the Perimeter Air Monitoring Plan (PAMP). An objective of the PAMP is to protect human health from exposure to unacceptable risk levels of contaminants in the soil to be remediated. A project average concentration compared to an RSL is one metric for assessing intrusive work.

*The RSLs are based on the lowest end of EPA's target cancer risk range (1 x 10⁻⁶ to 1 x 10⁻⁴) and a 1.5 year exposure. RSLs for non-cancer effects are based on a Hazard Quotient of one.

In Situ Solidification/Stabilization Results Dashboard, Area 1

Quanta Resources Corporation Superfund Site, OU1

Data through: 8/3/2017



Notes

Strikeout indicates a cell that was later remixed. Sample is representative of cells that were not remixed. Blue shading indicates a cell at which leaching samples were collected. Data shown represent 28+ days curing results unless otherwise indicated in parentheses. Green highlighting indicates 28+ day data meeting criteria of 40+ psi for UCS and <1x10⁻⁶ cm/s for permeability.

Area	Daily Mixed Cells	Date	Actual Mix	Daily Volume (CY)	Sample ID	28+ days UCS (psi)	28+ days Permeability (cm/s)
1	2A*, 2B	6-Jun-17			RA-PS-02-0.5-20170606	450	5.3E-07
1	3F*, 5B	9-Jun-17			RA-PS-03A1-(7)-20170609	58	7.0E-08
1	2C, 2D, 3B*, 4A, 4B, 4C	15-Jun-17			RA-PS-3BA1-(.65)-20170615	238	7.8E-08
1	3A, 3C*	16-Jun-17			RA-PS-3CA1-(4.0)-20170616	187	8.0E-08
1	3E, 5A, 5C*	19-Jun-17			RA-PS-5CA1-(.45)-20170619	430	1.4E-07
1	6C*, 7A, 7B	21-Jun-17			RA-PS-6CA1-.95-20170621	450	4.0E-07
1	4A, 4B, 4C Remix	27-Jun-17			RA-PS-4A1-(1.6)-20170627	573	2.0E-08
1	6A, 6B, 6C* Remix	28-Jun-17			RA-PS-6CA1-1.5-20170628	834	1.2E-07
1	8A*	7-Jul-17			RS-PS-8AA1-(5.2)-20170707	42 (14d)	4.6E-06 (14d)
1	8B, 8C*	10-Jul-17			RS-PS-8CA1-(4.0)-20170710	200 (14d)	1.6E-07 (14d)

PENDING

Site Constituent	Leaching Reduction, %	
	Area 1, Cell 2A	
1 Arsenic		
2 Benzene		
3 Toluene		
4 Ethylbenzene		
5 Total Xylenes		
6 Naphthalene		
7 Acenaphthene		
8 Acenaphthylene		
9 Anthracene		
10 Benzo(a)anthracene		
11 Benzo(a)pyrene		
12 Benzo(b)fluoranthene		
13 Benzo(g,h,i)perylene		
14 Benzo(k)fluoranthene		
15 Chrysene		
16 Dibenz(a,h)anthracene		
17 Fluoranthene		
18 Fluorene		
19 Indeno(1,2,3-cd)pyrene		
20 Phenanthrene		
21 Pyrene		
Target >10 over 90%		

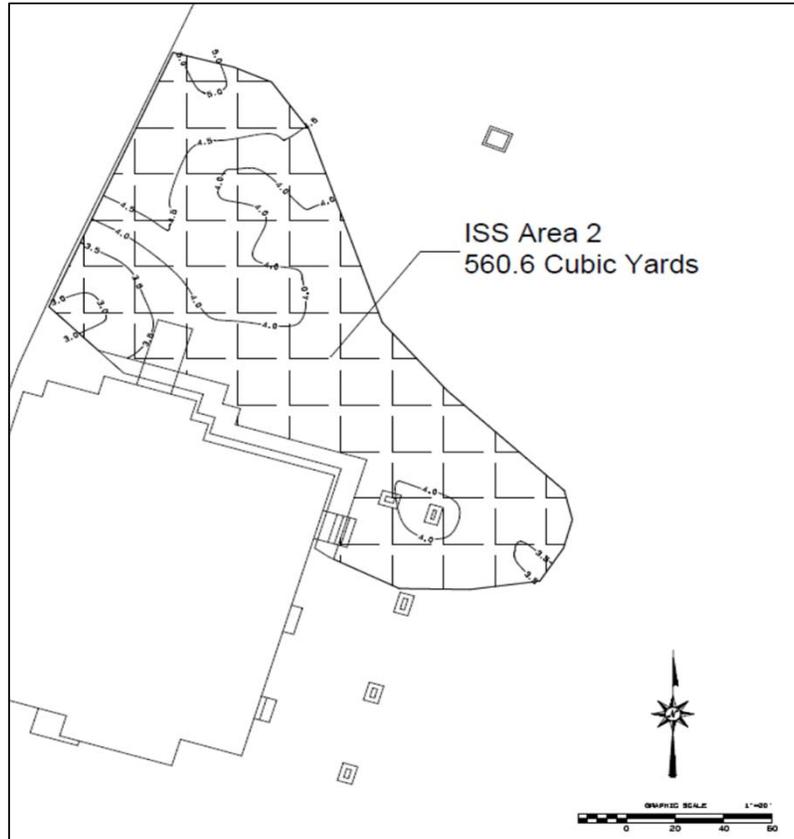
PENDING

In Situ Solidification/Stabilization Results Dashboard; Area 2

Quanta Resources Corporation Superfund Site, OU1

Data through: 8/3/2017

Area	Date	Actual Mix	Daily Volume (CY)	Sample ID	28+ days UCS (psi)	28+ days Permeability (cm/s)
2	22-May-17	8.9% Cement 13.9% Slag	560.6 CY	RA-PS-2A-4.8-20170522	839	6.7E-08



Map adapted from preliminary as-built by Northstar.

Site Constituent		Leaching Reduction, %
		Area 2
1	Arsenic	
2	Benzene	
3	Toluene	
4	Ethylbenzene	
5	Total Xylenes	
6	Naphthalene	
7	Acenaphthene	
8	Acenaphthylene	
9	Anthracene	
10	Benzo(a)anthracene	
11	Benzo(a)pyrene	
12	Benzo(b)fluoranthene	
13	Benzo(g,h,i)perylene	
14	Benzo(k)fluoranthene	
15	Chrysene	
16	Dibenz(a,h)anthracene	
17	Fluoranthene	
18	Fluorene	
19	Indeno(1,2,3-cd)pyrene	
20	Phenanthrene	
21	Pyrene	
Target >10 over 90%		

PENDING

In Situ Solidification/Stabilization Results Dashboard; Area 3

Quanta Resources Corporation Superfund Site, OU1

Data through: 8/3/2017

Area	Date	Actual Mix	Daily Volume (CY)	Sample ID	28+ days UCS (psi)	28+ days Permeability (cm/s)
3B	24-Jul-17			RA-PS-1290A3-(10)-20170724	25 (5d)	
3B	26-Jul-17			RA-PS-1230A3-(8.1)-20170726	21 (5d)	
3B	27-Jul-17			RA-PS-1421A3-(12)-20170727	23 (5d)	
3B	28-Jul-17			RA-PS-1231A3-(12)-20170728		
3B	31-Jul-17			RA-PS-1305A7-.10-20170731		

PENDING



Site Constituent	Leaching Reduction, % Area 3B (Cell 1230)
1 Arsenic	
2 Benzene	
3 Toluene	
4 Ethylbenzene	
5 Total Xylenes	
6 Naphthalene	
7 Acenaphthene	
8 Acenaphthylene	
9 Anthracene	
10 Benzo(a)anthracene	
11 Benzo(a)pyrene	
12 Benzo(b)fluoranthene	
13 Benzo(g,h,i)perylene	
14 Benzo(k)fluoranthene	
15 Chrysene	
16 Dibenz(a,h)anthracene	
17 Fluoranthene	
18 Fluorene	
19 Indeno(1,2,3-cd)pyrene	
20 Phenanthrene	
21 Pyrene	
Target >10 over 90%	

PENDING

Map adapted from preliminary cell map by Northstar.

Quanta Schedule
Current

ID	Task Name	Duration	Start	Finish	Baseline Start	Baseline Finish	% Complete	2017												2018															
								Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1	Quanta Resources Corporation Superfund Site, Operational Unit (OU) 1 (Site)	579 days	9/19/16	12/31/18	9/19/16	12/31/18	9%	[Gantt bar from 9/19/16 to 12/31/18]																											
2	Fully Executed Rider with Waterside/Daibes	0 days	2/3/17	2/3/17	2/3/17	2/3/17	100%	[Milestone diamond at 2/3/17]																											
3	Bulkhead Notice to Proceed	0 days	12/7/16	12/7/16	12/7/16	12/7/16	100%	[Milestone diamond at 12/7/16]																											
4	Fully Executed NorthStar Purchase Order	0 days	1/20/17	1/20/17	1/20/17	1/20/17	100%	[Milestone diamond at 1/20/17]																											
5	Third Party Work	381 days	9/19/16	3/19/18	9/19/16	8/30/17	53%	[Gantt bar from 9/19/16 to 8/30/17]																											
6	Promenade Building Construction and Buildout Complete	285 days	9/19/16	10/27/17	9/19/16	2/27/17	62%	[Gantt bar from 9/19/16 to 2/27/17]																											
7	Severance Section	113 days	1/10/17	6/20/17	NA	NA	87%	[Gantt bar from 1/10/17 to 6/20/17]																											
8	Pier Building Severance Demolition	77 days	1/10/17	4/28/17	1/10/17	2/10/17	100%	[Gantt bar from 1/10/17 to 2/10/17]																											
9	Pier Building Severance Demolition Complete	0 days	4/28/17	4/28/17	2/10/17	2/10/17	100%	[Milestone diamond at 4/28/17]																											
10	Remove Severance Section Slab	26 days	4/6/17	5/12/17	NA	NA	100%	[Gantt bar from 4/6/17 to 5/12/17]																											
11	Remove Severance Building Debris	10 days	4/17/17	4/28/17	NA	NA	100%	[Gantt bar from 4/17/17 to 4/28/17]																											
12	Level Severance Area for Crane	15 days	5/8/17	5/26/17	NA	NA	100%	[Gantt bar from 5/8/17 to 5/26/17]																											
13	Install Temp Electrical Service	26 days	5/15/17	6/20/17	NA	NA	10%	[Gantt bar from 5/15/17 to 6/20/17]																											
14	Install Temp Gas Service	17 days	4/27/17	5/19/17	NA	NA	100%	[Gantt bar from 4/27/17 to 5/19/17]																											
15	Temp Gas Connection PS&G	2 days	5/18/17	5/19/17	NA	NA	100%	[Gantt bar from 5/18/17 to 5/19/17]																											
16	Temp Verizon	6 days	5/23/17	5/31/17	NA	NA	100%	[Gantt bar from 5/23/17 to 5/31/17]																											
17	Building 12 Demo	13 days	4/19/17	5/5/17	NA	NA	100%	[Gantt bar from 4/19/17 to 5/5/17]																											
18	Remove Asbestos	5 days	4/19/17	4/25/17	NA	NA	100%	[Gantt bar from 4/19/17 to 4/25/17]																											
19	Demolish Building 12	5 days	5/1/17	5/5/17	NA	NA	100%	[Gantt bar from 5/1/17 to 5/5/17]																											
20	Remove Building Debris	5 days	5/1/17	5/5/17	NA	NA	100%	[Gantt bar from 5/1/17 to 5/5/17]																											
21	Building 115 River Road	60 days	11/28/17	2/23/18	NA	NA	0%	[Gantt bar from 11/28/17 to 2/23/18]																											
22	Building 115 RR Vacant	0 days	11/28/17	11/28/17	3/15/17	3/15/17	0%	[Milestone diamond at 11/28/17]																											
23	115 River Road Building Demolition	60 days	11/29/17	2/23/18	3/15/17	5/10/17	0%	[Gantt bar from 11/29/17 to 5/10/17]																											
24	115 River Road Building Demolition Complete	0 days	2/23/18	2/23/18	5/10/17	5/10/17	0%	[Milestone diamond at 2/23/18]																											
25	Executed City Place Access Agreement	0 days	3/7/17	3/7/17	3/3/17	3/3/17	100%	[Milestone diamond at 3/7/17]																											
26	Executed iPark Access Agreement (NZ-2)	0 days	3/7/17	3/7/17	3/3/17	3/3/17	100%	[Milestone diamond at 3/7/17]																											
27	Executed iPark Access Agreement (NZ-1)	0 days	6/1/17	6/1/17	3/3/17	3/3/17	0%	[Milestone diamond at 6/1/17]																											
28	Obtain Block 93 Access Agreement	0 days	5/3/17	5/3/17	3/3/17	3/3/17	100%	[Milestone diamond at 5/3/17]																											
29	Utility Relocate (Pending FINAL UTILITY DESIGN)	229 days	4/21/17	3/19/18	4/3/17	8/30/17	0%	[Gantt bar from 4/21/17 to 8/30/17]																											
30	Obtain Final Utility Trench Design (FLEX Engineering)	0 days	4/21/17	4/21/17	NA	NA	100%	[Milestone diamond at 4/21/17]																											
31	Receive Final Utility Design	0 days	10/18/17	10/18/17	4/3/17	4/3/17	0%	[Milestone diamond at 10/18/17]																											
32	Temporary Relocation of Utilities	10 days	11/17/17	12/5/17	5/3/17	5/17/17	0%	[Gantt bar from 11/17/17 to 5/17/17]																											
33	Temporary Utilities	72 days	12/5/17	3/19/18	5/17/17	8/28/17	0%	[Gantt bar from 12/5/17 to 8/28/17]																											
34	Installation of Utility Corridor	30 days	10/13/17	11/27/17	7/13/17	8/23/17	0%	[Gantt bar from 10/13/17 to 8/23/17]																											
35	Re-connection of services	5 days	11/28/17	12/4/17	8/24/17	8/30/17	0%	[Gantt bar from 11/28/17 to 8/30/17]																											
36	Planning and Submittals	164 days	12/7/16	7/28/17	12/7/16	4/17/17	95%	[Gantt bar from 12/7/16 to 4/17/17]																											
37	Civil Work Plans, Schedules, and Permits	122 days	2/3/17	7/28/17	2/3/17	3/3/17	96%	[Gantt bar from 2/3/17 to 3/3/17]																											
38	ISS Work Plans, Schedules, and Permits	69 days	2/13/17	5/22/17	2/3/17	4/17/17	100%	[Gantt bar from 2/13/17 to 4/17/17]																											
39	Bulkhead Work Plans, Schedule, and Permit	111 days	12/7/16	5/12/17	12/7/16	2/14/17	91%	[Gantt bar from 12/7/16 to 2/14/17]																											
40	Bulkhead Steel Structural Order Placed	0 days	1/9/17	1/9/17	1/9/17	1/9/17	100%	[Milestone diamond at 1/9/17]																											
41	Mobilization/Temporary Facilities and Controls	443 days	10/13/16	7/12/18	10/13/16	5/24/17	65%	[Gantt bar from 10/13/16 to 5/24/17]																											
42	Civil Contractor Initial Mobilization	25 days	10/13/16	11/16/16	10/13/16	11/16/16	100%	[Gantt bar from 10/13/16 to 11/16/16]																											
43	Fencing	25 days	10/13/16	11/16/16	10/13/16	11/16/16	100%	[Gantt bar from 10/13/16 to 11/16/16]																											
44	Civil Trailer Setup	25 days	10/13/16	11/16/16	10/13/16	11/16/16	100%	[Gantt bar from 10/13/16 to 11/16/16]																											

Summary [Blue bar] Milestone [Blue diamond] Baseline Milestone [Black diamond] Early Start Var [Green line] Early Finish Var [Green line]
 Task [Blue bar] Baseline [Black bar] Baseline Summary [Black bar] Late Start Var [Red line] Late Finish Var [Red line]

