



### OU1 NAPL Recovery

- Retrieved transducer data from MW-123 on December 22, 2017 and on December 15 and 22, 2017 measurements were collected from the available sentry wells, MW-126 and MW-121B. RW3-3 is buried by the access road on the Quanta Site and was inaccessible.
- Investigated the potential causes for the inoperability of the pump at RW4-2 and replaced the seal compartment on the pump for RW4-2 on December 22, 2017. Pump was working properly following the seal compartment replacement.
- 40 gallons of NAPL were collected from RW4-2 in December 2017.

### OU1 General Civil Work

- Continued debris removal and concrete crushing operations
- Continued debris removal in the Northern half of Area 7B in the former wharf area
- Continued with restoration of ISS Area 5A (iPark)
- Continued temporary restoration of Block 93 Central and North
- Continued with odor/dust suppression and stockpile management, as needed
- Completed installation of new subsurface water line for the pier building

### OU1 Bulkhead Installation

- Preliminary pre-tensioning of the bulkhead tie rods in sections E and F of the bulkhead was performed.

### OU1 In Situ Solidification/Stabilization

- In December, thirty-six (36) cells located within Areas 3A, 3B, and 7A were mixed. (see attached dashboards for maps)
- Continued hard-tar removal in Area 7A
- Continued with ISS activities in Areas 7A and 3A
- The use of perimeter misting systems has been temporarily suspended due to the temperatures below freezing.

### OU1 Vibration and Air Monitoring

- Continued with vibration monitoring
- Continued perimeter air monitoring in accordance with the Perimeter Air Monitoring Plan
- Continued weekly air sampling during ISS activities
- Relocated fixed air monitoring station FD-08 to outside of the perimeter fencing
- The Total Station and prisms were removed from Block 93 following completion of the work in that area
- No movement and/or vibration outside of the project limits was noted in the month of December

### OU1 Offsite Waste Disposal

- Non-hazardous
  - One (1) 10-CY rolloff of NAPL stained PPE to Evergreen Recycling Solutions
  - One (1) 20-CY rolloff of asphalt to C.E.C.S, Inc
  - Five (5) 27-CY rolloffs of asphalt to Reliable Wood, Inc
  - One (1) 30-CY rolloff of mixed metals to Evergreen Recycling Solutions and one (1) 30-CY rolloff of treated wood material to C.E.C.S, Inc
  - Six (6) 50-CY dump trailers of treated wood material to C.E.C.S, Inc
  - Two (2) 60-Cy dump trailers of treated wood material to C.E.C.S, Inc
  - 4,690-gallons of non-hazardous liquids to Environmental Recovery Corporation via tanker truck

## OU1 HCAA

- Completed bench-scale testing in accordance with the HCAA ZVI Testing Bench-scale Testing Work Plan
- Met with EPA to discuss the results of the ZVI bench-scale testing work on December 12, 2017.
- Submitted the data report detailing results of the ZVI bench-scale testing to EPA and NJDEP on December 19, 2017.

## Site Security, Maintenance, and Inspections

- Completed weekly boom inspections and SWPPP inspections on December 21, 2017.
- No site security issues for the month of December 2017.

## Two Week Look Ahead

- Continue with ISS on the main Quanta property in Area 3A
- Evaluate baildown testing results for RW4-1 and RW4-2
- Start installation of the new sanitary sewer for the Pier Building
- Submit ISS Completion Report for Block 93.

## 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 this month. The ISS Results Dashboards (Attachment A) 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. All compliance sample results received in the past month met the ROD requirements.

### Air Monitoring

- Submitted a proposed addendum to the Perimeter Air Monitoring Plan (PAMP) to EPA on December 19, 2017. The changes to the PAMP have been proposed to supplement the air monitoring activities based on results from 6 months of sampling at the site. Based on these results, the PAMP addendum proposes an expanded approach to air sampling for VOCs, including the locations for offsite air sampling stations and decision rules for determining when to perform offsite air sampling for VOCs based on the results obtained from air samplers located on the Quanta Site perimeter.
- Provided perimeter air monitoring data weekly to EPA.

### High Concentration Arsenic Area

Submitted the data report detailing results of the ZVI bench-scale testing to EPA and NJDEP on December 19, 2017.

### Other Deliverables and Submittals

- Site inspections were performed by the EPA and NJDEP to document completion of ISS Area 7A on December 12, 2017 (NJDEP) and December 13, 2017 (EPA). Site Inspections indicated that ISS was completed within the prescribed area in accordance with the ROD and approved design.

## Issues and Corrective Actions

### Underground Storage Tank

An underground storage tank was encountered during installation of the utilities for the 115 River Road pier building. Notification was provided to EPA and NJDEP on November 10, 2017. The liquid in the tank was sampled, profiled and removed for disposal. The tank is pending removal.

### Peat

Peat was encountered on the main Quanta property at elevations slightly above the required ISS depth. Consistent with the approach on Block 93, it is anticipated that ISS will be terminated where peat is encountered as peat is not conducive to ISS and also acts as a confining layer to downward migration of NAPL. Similar to Block 93, the ISS contractor will be using GPS to record the top of the peat/meadow mat material, when encountered, and a CH2M representative will confirm the presence of peat/meadow mat and make a record of their observations.

### Air Monitoring

Based on 6 months of air data collected at the site, it has been observed that naphthalene concentrations remain slightly above the conservative screening level presented in the PAMP. Onsite and offsite data have led to a better understanding of the extent of emissions which led to the development of an addendum to the PAMP submitted to EPA on December 19, 2017. There continues to place an emphasis on emissions controls and air monitoring however based on the results to date, frequency and adjustments to perimeter analytical air sampling are proposed as follows:

- VOC air samples will be collected at a routine frequency one day per week at two perimeter locations.
- The perimeter results will be incorporated into the project running average concentration. The results will be compared with the decision flow chart presented in Figure 1. The decision flow chart uses USEPA's target cancer risk range of  $1 \times 10^{-6}$  to  $1 \times 10^{-4}$  (USEPA, 1991) for naphthalene to make adjustments to the number of sampling events and sampling locations. The site-specific screening levels for naphthalene based on the target cancer risk range are shown in Table 1.
- Honeywell will notify USEPA when adjustments to the sampling frequency or locations are made, and will coordinate with USEPA if access to offsite sampling locations is needed.

### Weather

Due to abnormally cold temperatures experienced during the end of December (and into early January), operations at the site were temporarily suspended. Moving forward, the 10-day forecast will be evaluated and it will be determined the week prior if work will continue.

## Stakeholder Communication and Community Involvement

- Submitted the monthly progress report for November on December 8.
- In December, there was 1 residential concern submitted to EPA, Honeywell, or CH2M.
- Hosted and attended biweekly calls on December 6 and December 20 with EPA, NJDEP, USACE, Honeywell, and CH2M
- Provided weekly and as-needed progress updates for email distribution to pier tenants.
- Uploaded daily air monitoring results to [www.quantaremediation.com](http://www.quantaremediation.com)
- Provided updated site progress map and construction photos biweekly for uploading on project website.

## Activities Planned for Next 6 Weeks

- Gauge sentry wells and pump RW4-2
- Complete data compilation and evaluations for 2016-2017 Annual NAPL Recovery Report
- Continue with ISS mixing

## Schedule Update and Delays

The overall schedule for the OU1 remediation has been extended because of the delays described in the following subsections (for this reporting period) and prior status reports. 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. The schedule is currently being revised and an update will be provided once complete.

## Weather

As detailed above, the below average temperatures have led to delays at the site.

## Concrete Volume

Large volumes of reinforced concrete have been encountered in many of the ISS areas. The concrete has been noted to be 3-5 feet thick in some areas with reinforcement bars up to 2-inches in diameter. Removal of the reinforced concrete has taken longer than anticipated, which has resulted in delays to the ISS schedule.

## 115 River Road Access

The demolition of the 115 River Road building may not start until May 2018 and is expected to require approximately 3 months to complete. Work will continue in accessible areas of the site as long as feasible.

## Percent Complete

Work associated with the OU1 ISS Remedial Action is approximately 43 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.

Please feel free to contact me at 267-250-7387 or Steve Coladonato, Honeywell Remediation Manager, at 302-791-6738 if you have any questions or comments regarding the Quanta project.

Sincerely,

CH2M HILL



Stephen J. Zarlinski  
Project Manager

Enclosures: Attachment A, ISS Results Dashboards, Areas 3A, 3B/C, 5, and 7A

cc:	Clay Monroe (EPA)	Rich Puvogel (EPA)
	Steve Coladonato (Honeywell)	John Mojka (Honeywell)
	Erica Bergman (NJDEP)	Greg Franz (Borough of Edgewater)
	Helen Fahy (Fahy Associates)	Jose Sananes (Ramboll)
	Neil Ravensbergen (USACE)	Rich Gajdek (USACE)
	Frank Rossi (Boswell)	Richard Ho (EPA)
	Neil Kolb (USACE)	Michael Johnson (USACE)

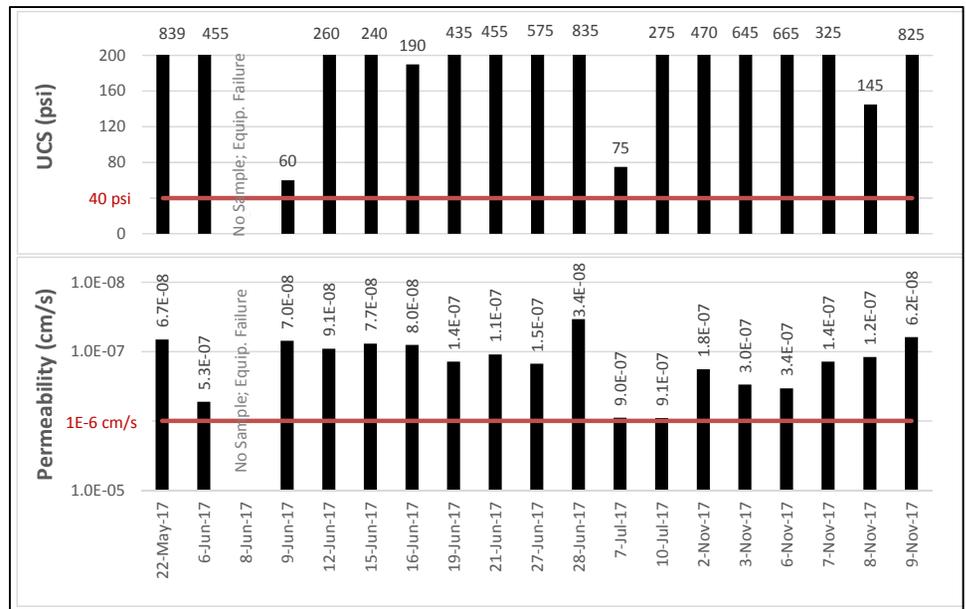
# In Situ Solidification/Stabilization Results Dashboard, Areas 1 & 2

Quanta Resources Corporation Superfund Site, OU1

Updated: 12/19/2017

Area	Date	Daily Volume (CY)	Actual Mix		UCS (≥40 psi)	Permeability (≤1E-6 cm/s)
			Cement	Slag		
2	22-May-17	524	8%	12%	MEETS	MEETS
1	6-Jun-17	383	2%	5%	MEETS	MEETS
1	8-Jun-17	85	2%	6%	MEETS	MEETS
1	9-Jun-17	175	2%	6%	MEETS	MEETS
1	12-Jun-17	83	3%	7%	no sample; equipment failure	
1	15-Jun-17	288	1%	2%	MEETS	MEETS
1	16-Jun-17	207	2%	5%	MEETS	MEETS
1	19-Jun-17	141	2%	5%	MEETS	MEETS
1	21-Jun-17	57	3%	8%	MEETS	MEETS
1	27-Jun-17	231	6%	10%	MEETS	MEETS
1	28-Jun-17	633	6%	9%	MEETS	MEETS
1	7-Jul-17	478	5%	7%	MEETS	MEETS
1	10-Jul-17	342	6%	10%	MEETS	MEETS
1	2-Nov-17	343	6%	8%	MEETS	MEETS
1	3-Nov-17	402	5%	7%	MEETS	MEETS
1	6-Nov-17	349	5%	7%	MEETS	MEETS
1	7-Nov-17	480	5%	8%	MEETS	MEETS
1	8-Nov-17	564	3%	8%	MEETS	MEETS
1	9-Nov-17	342	4%	10%	MEETS	MEETS

Total CY Mixed: 6,107



Leaching Reduction by Constituent			
Site Constituent	22-May-17	6-Jun-17	3-Nov-17
1 Arsenic	97%	96%	
2 Benzene	NE	100%	
3 Toluene	NE	100%	
4 Ethylbenzene	NE	100%	
5 Total Xylenes	98%	100%	
6 Naphthalene	99%	83%	
7 Acenaphthene	99%	98%	
8 Acenaphthylene	95%	98%	
9 Anthracene	98%	94%	
10 Benzo(a)anthracene	90%	76%	
11 Benzo(a)pyrene	94%	87%	
12 Benzo(b)fluoranthene	95%	86%	
13 Benzo(g,h,i)perylene	NE	89%	
14 Benzo(k)fluoranthene	92%	NE	
15 Chrysene	95%	85%	
16 Dibenz(a,h)anthracene	NE	NE	
17 Fluoranthene	93%	81%	
18 Fluorene	99%	96%	
19 Indeno(1,2,3-cd)pyrene	90%	NE	
20 Phenanthrene	99%	94%	
21 Pyrene	94%	80%	
<b>Constituents Passing</b>	<b>15/15</b>	<b>10/18</b>	

Sample on Hold

*Leaching Criteria: 90% or greater reduction in leachability for the majority of the site constituents.  
NE - Not Evaluated; constituent not detected in baseline sample. Calculations shown in Attachment 4.*



Note: Mixed areas indicated with blue shading.

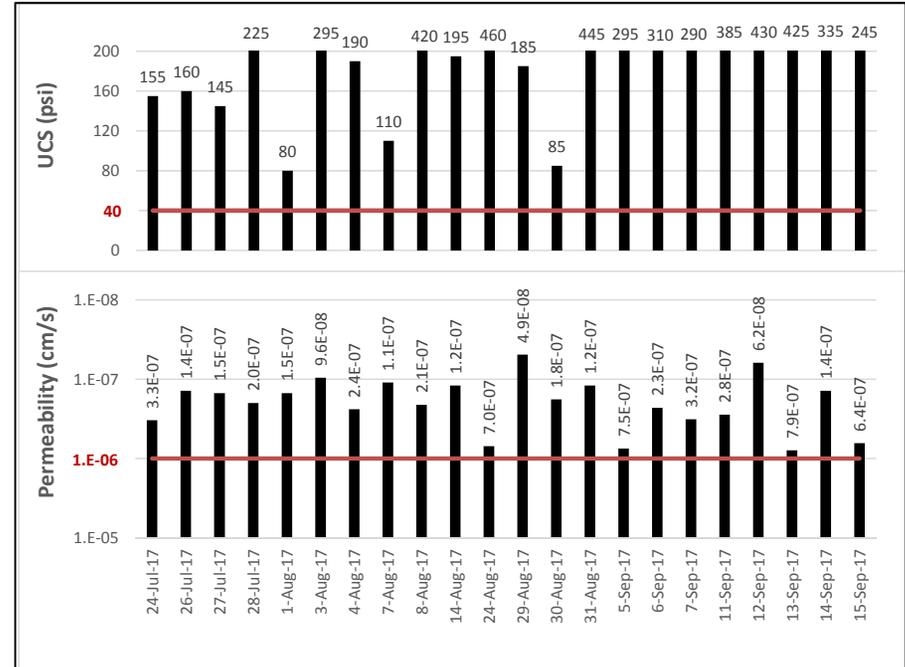
# In Situ Solidification/Stabilization Results Dashboard, Areas 3A, 3B, and 3C

Quanta Resources Corporation Superfund Site, OU1

Data through: 11/29/2017

Area	Date	Volume (CY)	Actual Mix		UCS (≥40 psi)	Permeability (≤1E-6 cm/s)
			Cement	Slag		
3B	24-Jul-17	317	3%	8%	MEETS	MEETS
3B	26-Jul-17	623	2%	6%	MEETS	MEETS
3B	27-Jul-17	596	2%	6%	MEETS	MEETS
3B	28-Jul-17	596	2%	6%	MEETS	MEETS
3B	1-Aug-17	363	2%	6%	MEETS	MEETS
3B	3-Aug-17	311	2%	6%	MEETS	MEETS
3B	4-Aug-17	306	2%	6%	MEETS	MEETS
3B/3C	7-Aug-17	494	2%	6%	MEETS	MEETS
3C	8-Aug-17	170	2%	6%	MEETS	MEETS
3B	14-Aug-17	604	2%	6%	MEETS	MEETS
3B	24-Aug-17	237	2%	6%	MEETS	MEETS
3B	29-Aug-17	554	2%	6%	MEETS	MEETS
3B	30-Aug-17	215	2%	6%	MEETS	MEETS
3B	31-Aug-17	623	2%	6%	MEETS	MEETS
3B	5-Sep-17	515	2%	6%	MEETS	MEETS
3B	6-Sep-17	771	2%	6%	MEETS	MEETS
3B	7-Sep-17	628	2%	6%	MEETS	MEETS
3B/3C	11-Sep-17	789	2%	6%	MEETS	MEETS
3B	12-Sep-17	567	2%	6%	MEETS	MEETS
3B	13-Sep-17	633	2%	6%	MEETS	MEETS
3A/3B	14-Sep-17	422	2%	6%	MEETS	MEETS
3B	15-Sep-17	327	2%	6%	MEETS	MEETS

Total CY Mixed: 10661



Leaching Reduction by Constituent				
Site Constituent	Reduction	Site Constituent	Reduction	
1 Arsenic	99%	12 Benzo(b)fluoranthene	98%	
2 Benzene	99%	13 Benzo(g,h,i)perylene	98%	
3 Toluene	99%	14 Benzo(k)fluoranthene	98%	
4 Ethylbenzene	99%	15 Chrysene	95%	
5 Total Xylenes	99%	16 Dibenz(a,h)anthracene	98%	
6 Naphthalene	97%	17 Fluoranthene	89%	
7 Acenaphthene	95%	18 Fluorene	94%	
8 Acenaphthylene	97%	19 Indeno(1,2,3-cd)pyrene	98%	
9 Anthracene	92%	20 Phenanthrene	90%	
10 Benzo(a)anthracene	94%	21 Pyrene	89%	
11 Benzo(a)pyrene	99%			

Constituents Passing 19/21

Leaching calculations for each constituent provided in Attachment 4 of the ISS Memo for this Parcel. Boxed sample dates on table above indicate collection of a leaching sample. Constituents with 90+% reduction are shaded green. Results shown for July 26th sample only; remaining sample(s) on HOLD.



Note: Mixed areas indicated with blue shading. Green circles indicate previously-mixed field demonstration cell.

## In Situ Solidification/Stabilization Results Dashboard, Area 7A (Leaching Batch 1)

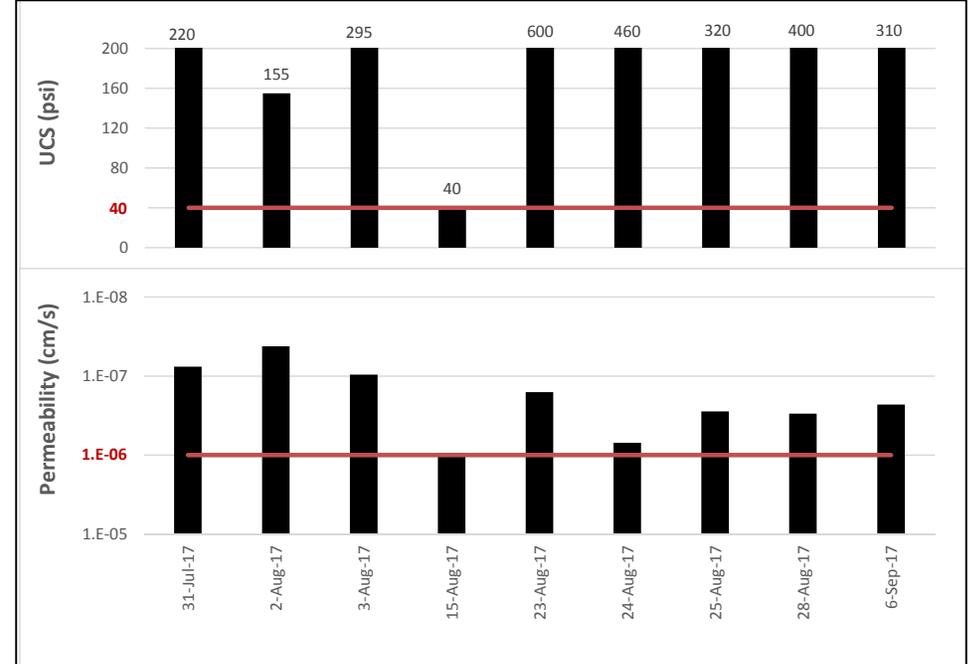
Quanta Resources Corporation Superfund Site, OU1

Data through: 11/29/2017

Area	Date	Volume (CY)	Actual Mix		UCS (≥40 psi)	Permeability (≤1E-6 cm/s)
			Cement	Slag		
7A	31-Jul-17	674	2%	6%	MEETS	MEETS
7A	2-Aug-17	356	2%	6%	MEETS	MEETS
7A	3-Aug-17	463	2%	6%	MEETS	MEETS
7A	15-Aug-17	107	5%	14%	MEETS	MEETS
7A	23-Aug-17	471	2%	6%	MEETS	MEETS
7A	24-Aug-17	178	2%	6%	MEETS	MEETS
7A	25-Aug-17	394	2%	6%	MEETS	MEETS
7A	28-Aug-17	521	2%	6%	MEETS	MEETS
7A	6-Sep-17	609	2%	6%	MEETS	MEETS

Total CY Mixed: 3773

Leaching Reduction by Constituent		
Site Constituent	26-Jul-17	23-Aug-17
1 Arsenic	99%	Sample on Hold
2 Benzene	99%	
3 Toluene	99%	
4 Ethylbenzene	99%	
5 Total Xylenes	99%	
6 Naphthalene	97%	
7 Acenaphthene	95%	
8 Acenaphthylene	97%	
9 Anthracene	92%	
10 Benzo(a)anthracene	94%	
11 Benzo(a)pyrene	99%	
12 Benzo(b)fluoranthene	98%	
13 Benzo(g,h,i)perylene	98%	
14 Benzo(k)fluoranthene	98%	
15 Chrysene	95%	
16 Dibenz(a,h)anthracene	98%	
17 Fluoranthene	89%	
18 Fluorene	94%	
19 Indeno(1,2,3-cd)pyrene	98%	
20 Phenanthrene	90%	
21 Pyrene	89%	
<b>Constituents Passing</b>	<b>19/21</b>	



## AREA 7A (leaching Batch 1)



Leaching Criteria: 90% or greater reduction in leachability for the majority of the site constituents. NE - Not Evaluated; constituent not detected in baseline sample. Leaching calculations for each constituent provided in Attachment 4 of the ISS Memo for this Parcel. Representative 20,000 CY leaching sample for this portion of Area 7A collected July 26 in Area 3. Boxed sample dates on table above indicate collection of a leaching sample.

Note:  
Mixed areas indicated with blue shading.

## In Situ Solidification/Stabilization Results Dashboard, Areas 5A and 5B

Quanta Resources Corporation Superfund Site, OU1

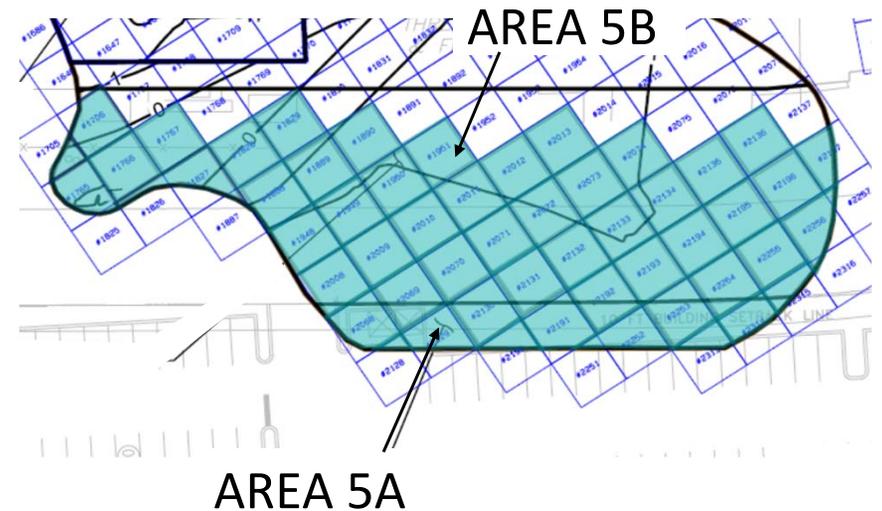
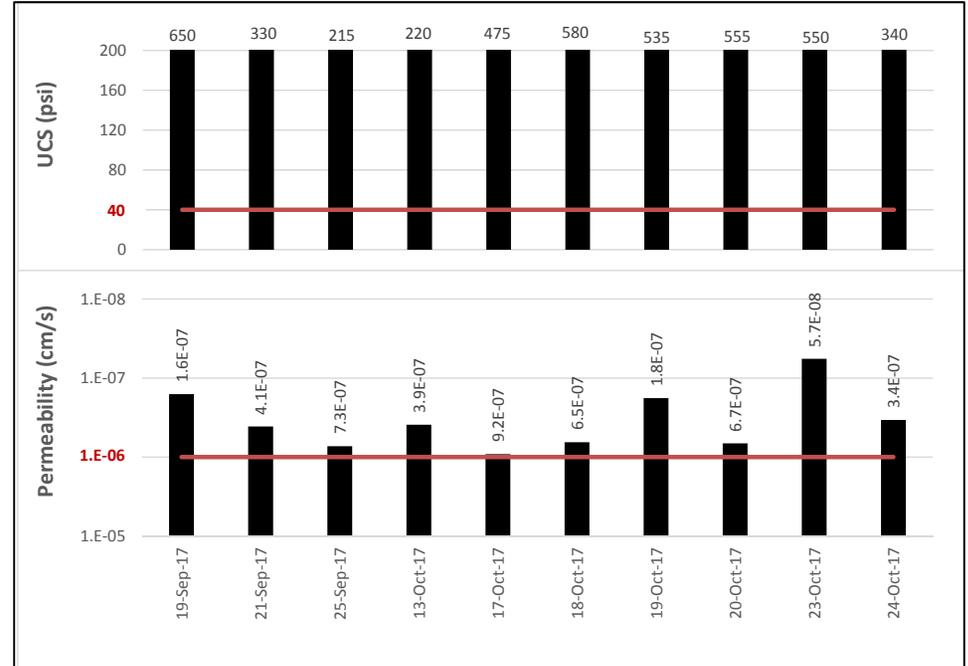
Data through: 12/29/2017

Area	Date	Daily Volume (CY)	Actual Mix		UCS (≥40 psi)	Permeability (≤1E-6 cm/s)
			Cement	Slag		
5A/5B	19-Sep-17	340	1%	6%	MEETS	MEETS
5A/5B	21-Sep-17	538	2%	6%	MEETS	MEETS
5A/5B	25-Sep-17	518	2%	6%	MEETS	MEETS
5B	13-Oct-17	587	2%	7%	MEETS	MEETS
5B	17-Oct-17	580	3%	7%	MEETS	MEETS
5B	18-Oct-17	327	3%	7%	MEETS	MEETS
5B	19-Oct-17	297	3%	7%	MEETS	MEETS
5B	20-Oct-17	297	2%	7%	MEETS	MEETS
5B	23-Oct-17	611	3%	7%	MEETS	MEETS
5B	24-Oct-17	283	3%	8%	MEETS	MEETS

Total CY Mixed: **4378**

Leaching Reduction by Constituent			
Site Constituent	26-Jul-17	7-Sep-17	13-Oct-17
1 Arsenic	99%	Sample on Hold	Data pending
2 Benzene	99%		
3 Toluene	99%		
4 Ethylbenzene	99%		
5 Total Xylenes	99%		
6 Naphthalene	97%		
7 Acenaphthene	95%		
8 Acenaphthylene	97%		
9 Anthracene	92%		
10 Benzo(a)anthracene	94%		
11 Benzo(a)pyrene	99%		
12 Benzo(b)fluoranthene	98%		
13 Benzo(g,h,i)perylene	98%		
14 Benzo(k)fluoranthene	98%		
15 Chrysene	95%		
16 Dibenz(a,h)anthracene	98%		
17 Fluoranthene	89%		
18 Fluorene	94%		
19 Indeno(1,2,3-cd)pyrene	98%		
20 Phenanthrene	90%		
21 Pyrene	89%		
<b>Constituents Passing</b>	<b>19/21</b>		<b>TBD</b>

Leaching Criteria: 90% or greater reduction in leachability for the majority of the site constituents. NE - Not Evaluated; constituent not detected in baseline sample. Leaching calculations for each constituent provided in Attachment 4 of the ISS Memo for this Parcel. Representative 20,000 CY leaching sample for Area 5A collected July 26 in Area 3. If not passing, will analyze held Sept 7 (5,000 CY) sample. Representative sample for Area 5B collected October 13, 2017 in Area 5B. Boxed sample dates on table above indicate collection of a leaching sample.



Note:  
Mixed areas indicated with blue shading

## In Situ Solidification/Stabilization Results Dashboard, Area 7A (Leaching Batch 2)

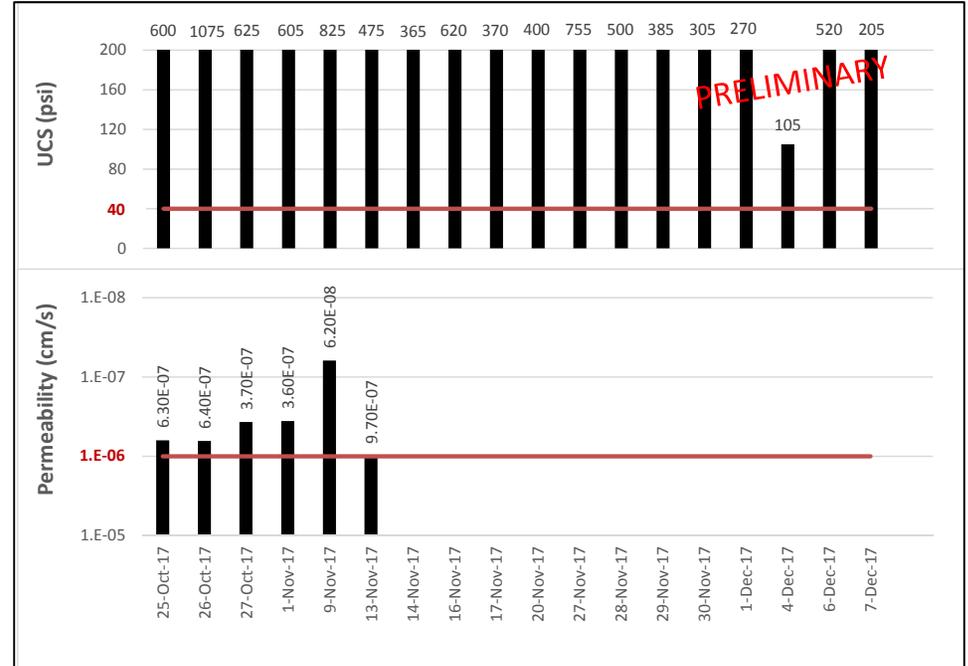
Quanta Resources Corporation Superfund Site, OU1

Data through: 12/29/2017

Area	Date	Daily Volume (CY)	Actual Mix		UCS (≥40 psi)	Permeability (≤1E-6 cm/s)
			Cement	Slag		
7A	25-Oct-17	150	5%	10%	MEETS	MEETS
7A	26-Oct-17	470	2%	7%	MEETS	MEETS
7A	27-Oct-17	493	5%	7%	MEETS	MEETS
7A	1-Nov-17	629	5%	7%	MEETS	MEETS
7A	9-Nov-17	200	3%	7%	MEETS	MEETS
7A	13-Nov-17	633	2%	7%	MEETS	MEETS
7A	14-Nov-17	557	2%	7%	MEETS	MEETS
7A	16-Nov-17	621	2%	7%	MEETS	MEETS
7A	17-Nov-17	501	2%	7%	MEETS	MEETS
7A	20-Nov-17	215	2%	7%	MEETS	MEETS
7A	27-Nov-17	672	2%	7%	MEETS	MEETS
7A	28-Nov-17	486	2%	7%	MEETS	MEETS
7A	29-Nov-17	637	2%	7%	MEETS	MEETS
7A	30-Nov-17	200	2%	7%	MEETS	MEETS
7A	1-Dec-17	447	2%	7%	MEETS	MEETS
7A	4-Dec-17	594	2%	7%	MEETS	MEETS
7A	6-Dec-17	651	2%	7%	MEETS	MEETS
7A	7-Dec-17	504	2%	7%	MEETS	MEETS

Total CY Mixed: **8,660**

Data pending



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

Data pending

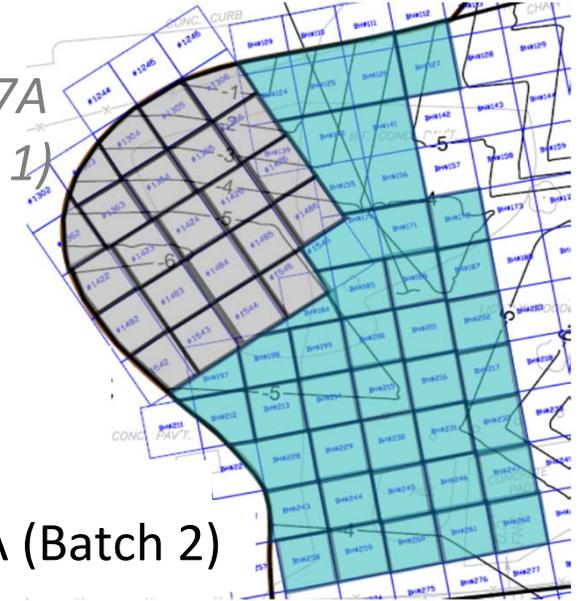
Data pending

Constituents Passing TBD

Leaching calculations for each constituent provided in Attachment 4 of the ISS Memo for this Parcel. Boxed sample dates on table above indicate collection of a leaching sample. Constituents with 90+% reduction are shaded green. Representative 20,000 CY leaching sample for this portion of Area 7A collected Oct 13 in Area

AREA 7A  
(Batch 1)

Note:  
Mixed areas reported on this dashboard indicated with blue shading. Grey cc" previously mixed.



AREA 7A (Batch 2)

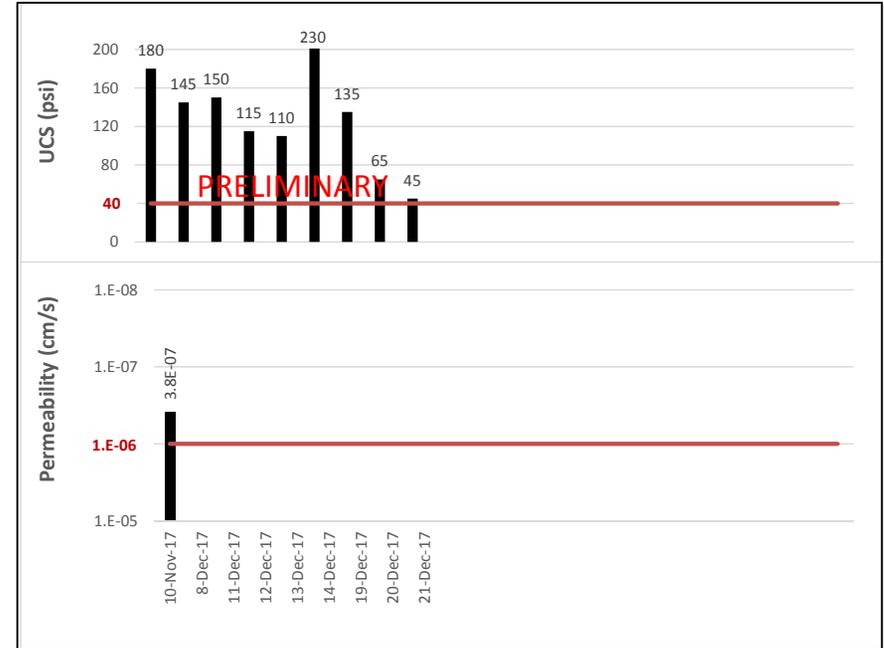
## In Situ Solidification/Stabilization Results Dashboard, Areas 3A, 3B (Leaching Batch 2)

Quanta Resources Corporation Superfund Site, OU1

Data through: 12/29/2017

Area	Date	Volume (CY)	Actual Mix		UCS ( $\geq 40$ psi)	Permeability ( $\leq 1E-6$ cm/s)
			Cement	Slag		
3B	10-Nov-17	311	2%	7%	MEETS	MEETS
3A	8-Dec-17	468	3%	8%	Data pending	
3A	11-Dec-17	507	3%	7%		
3A	12-Dec-17	417	3%	7%		
3A	13-Dec-17	170	2%	7%		
3A	14-Dec-17	448	2%	7%		
3A	19-Dec-17	450	3%	8%		
3A	20-Dec-17	404				
3A	21-Dec-17	512				

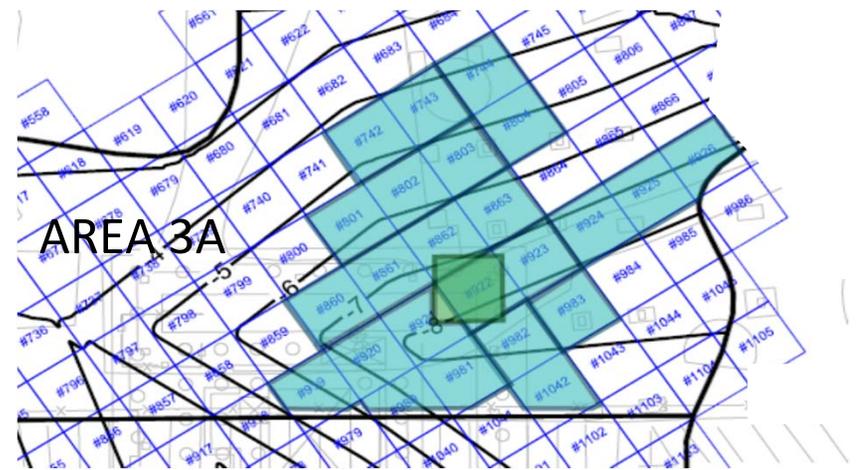
Total CY Mixed: **3687**



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

Data pending

Constituents Passing	
Leaching calculations for each constituent provided in Attachment 4 of the ISS Memo for this Parcel. Boxed sample dates on table above indicate collection of a leaching sample. Constituents with 90+% reduction are shaded green. Representative 20,000 CY leaching sample for this portion of Area 7A collected Oct 13 in Area 5B. Boxed sample	



Note: Mixed areas indicated with blue shading. Green square indicates previously-mixed field demonstration cell.