

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

January 7, 2018

**Subject: Quanta Resources Corporation Superfund Site, Operable Unit 1 (OU1), Edgewater, New Jersey,  
Progress Report: December 2018**

Dear Mr. Nelson,

This letter is the progress report required pursuant to the U.S. Environmental Protection Agency (EPA) Consent Decree 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 December 2018, approximately 122,788 labor hours worked without a lost-time incident.
- No recordable incidents occurred during the month of December.

### **Work Completed**

The activities completed during December to comply with the Consent Decree are described in the following subsections. Figure 1, on the following page, depicts the work activities completed as of the end of December.

#### **OU1 General Civil Work**

Continued with installation of utilities for the pier building to allow for ISS to occur upon remobilization after the ISS suspension.

#### **OU1 ISS**

No ISS work activities occurred during reporting period.

#### **OU1 Bulkhead Installation**

No work activities occurred during reporting period.



**Figure 1. Bulkhead and In Situ Solidification/Stabilization (ISS) Progress through December 2018**  
*ISS areas shown are approximate and not drawn to scale.*

#### **OU1 Vibration and Air Monitoring**

- Continued with vibration and movement monitoring. Observed no vibrations outside the project limits during December.
- Continued perimeter air monitoring in accordance with the Perimeter Air Monitoring Plan and the applicable adjustments/addendums.
- Completed a pilot test associated with evaluating a real-time naphthalene measurement instrument

#### **OU1 Offsite Waste Disposal**

No waste was transported off-site in December.

#### **OU1 NAPL Recovery**

- Gauged accessible sentry wells on December 24, 2018.
- Performed routine maintenance on the RW4-2 pump.
- 44 gallons of NAPL were collected from RW4-2 during recovery operations in December.

#### **Site Security, Maintenance, and Inspections**

- Completed weekly SWPPP inspections on December 5, December 14, December 19, and December 24, 2018.
- Completed weekly boom inspections on December 5, December 14, December 19, and December 26, 2018.
- Replaced inner and outer absorbent boom on December 11, 2018.

#### **Two-Week Look-Ahead**

- Continue daily pumping at RW4-2; perform baildown testing at RW4-1, RW4-2, and TW-01; gauge sentry wells.
- All other remediation activities have been suspended.

## Data and Submittals

### ISS Compliance Data Summary

Submitted the leaching calculations from the two held samples associated with leaching batch 4 which were within Area 8 along the Hudson River/adjacent to City Place. The two held samples were analyzed based on the results from the first sample which indicated that the leaching reductions. In accordance with the decision flow chart (Figure 3-7) of the approved Remedial Design Report, with the two held samples from Batch 4 exhibiting leaching reductions over 90% for over half the constituents analyzed, and all samples meeting UCS and permeability criteria, we conclude that Batch 4 requires no further evaluation. An updated dashboard of the leaching data associated with Leaching Batch 4 (Areas 7A and 8) is attached to this letter.

### Air Monitoring

Provided perimeter and offsite air monitoring data when received (typically daily) to EPA.

### Other Deliverables and Submittals

- Submitted the Remedial Action Work Plan Addendum for OU1, Revision 1 on December 4 which incorporated EPA comments received on October 10.
- Submitted multiple revisions as requested by NJDEP associated with the Air Permit Equivalency Package

## Issues and Corrective Actions

### Summer Time Suspension

Suspension of the remediation at the site occurred on May 18<sup>th</sup> to prepare for the demolition of the 115 River Road building. Remediation is expected to restart in early 2019.

### Stakeholder Communication and Community Involvement

- Submitted the monthly progress report for November on December 7.
- Tracked community concerns and complaints. In December, no community concerns were submitted through the Quanta call center. Several complaints were submitted in person, by phone, or by email about disruption of utility service to the pier building. Worked with Honeywell and EPA to track calls and responses.
- Prepared for and attended a public meeting on December 6th.
- No calls were held with EPA, NJDEP, USACE, Honeywell, and Jacobs in December due to holiday schedules.
- 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)
- Submitted offsite air monitoring results to Honeywell for the website after approval by EPA.
- Uploaded air monitoring results to [www.quantaremediation.com](http://www.quantaremediation.com)

### Activities Planned for Next 6 Weeks

- Continue with NAPL recovery operations.
- Continue weekly boom inspections and SWPPP inspections, and associated maintenance.
- Begin installation of the remaining bulkhead sections in January.

### **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 in prior status reports. As of September, remediation work has been suspended and the plan is to remobilize in late winter 2019. A proposed updated schedule was provided as part of the Remedial Action Work Plan Addendum submitted on December 4 to EPA.

### **Percent Complete**

Work associated with the OU1 Remedial Action is approximately 53 percent complete.

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,



Stephen J. Zarlinski  
Project Manager

Enclosures: Attachment A, ISS Leaching Dashboard

Copies to:

Clay Monroe (EPA)  
Steve Coladonato (Honeywell)  
Erica Bergman (NJDEP)  
Helen Fahy (Fahy Associates)  
Neil Ravensbergen (USACE)  
Frank Rossi (Boswell)  
Michael Johnson (USACE)  
John Tsun (Bosswell Engineering)

Rich Puvogel (EPA)  
John Mojka (Honeywell)  
Greg Franz (Borough of Edgewater)  
Tim Johnson (Anchor QEA)  
Rich Gajdek (USACE)  
Neil Kolb (USACE)

### In Situ Solidification/Stabilization Results Dashboard, Areas 7A and 8 (Leaching Batch 4)

Quanta Resources Corporation Superfund Site, OU1

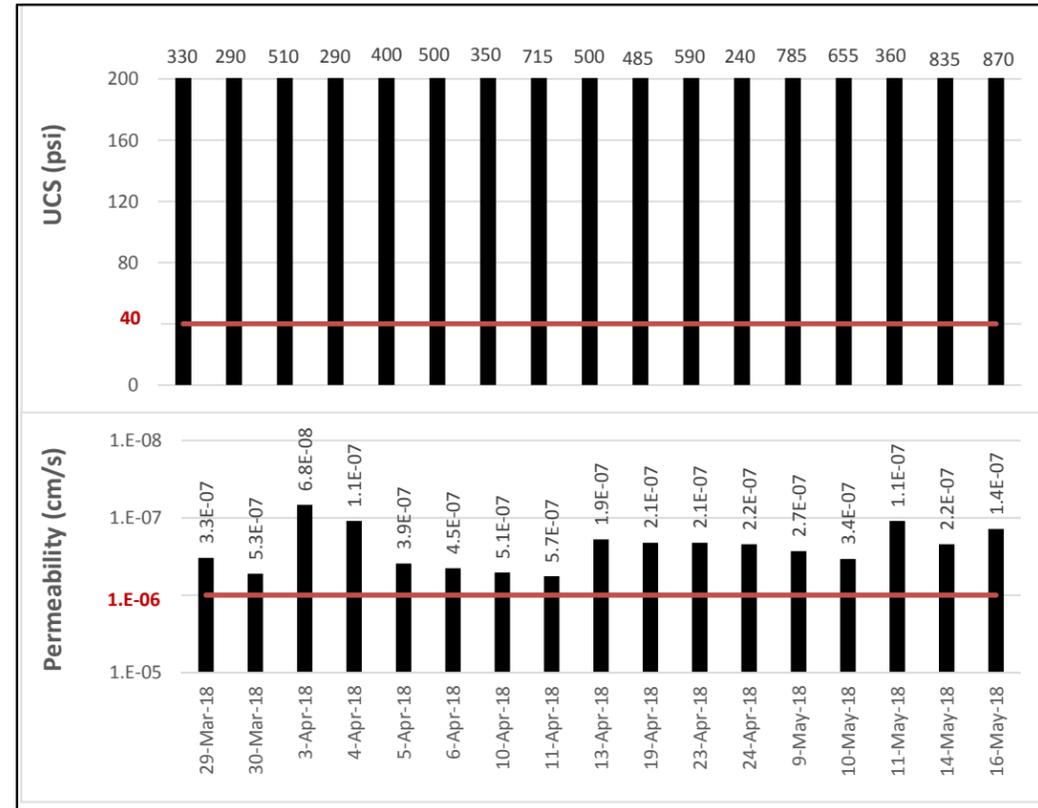
Data through: 12/14/2018

Area	Date	Volume (CY)	Actual Mix		UCS (≥40 psi)	Permeability (≤1E-6 cm/s)
			Cement	Slag		
8	29-Mar-18	131	2%	6%	MEETS	MEETS
8	30-Mar-18	160	2%	6%	MEETS	MEETS
8	3-Apr-18	252	2%	6%	MEETS	MEETS
8	4-Apr-18	310	2%	6%	MEETS	MEETS
8	5-Apr-18	264	2%	6%	MEETS	MEETS
8	6-Apr-18	357	2%	6%	MEETS	MEETS
8	10-Apr-18	327	2%	6%	MEETS	MEETS
7A	12-Apr-18	413	2%	6%	MEETS	MEETS
8	13-Apr-18	316	2%	6%	MEETS	MEETS
8	19-Apr-18	353	2%	6%	MEETS	MEETS
8	23-Apr-18	314	2%	6%	MEETS	MEETS
8	24-Apr-18	222	2%	6%	MEETS	MEETS
8	9-May-18	53	2%	6%	MEETS	MEETS
8	10-May-18	236	2%	6%	MEETS	MEETS
8	11-May-18	242	2%	6%	MEETS	MEETS
8	14-May-18	138	2%	6%	MEETS	MEETS
8	16-May-18	69	2%	6%	MEETS	MEETS

Total CY Mixed: 4156

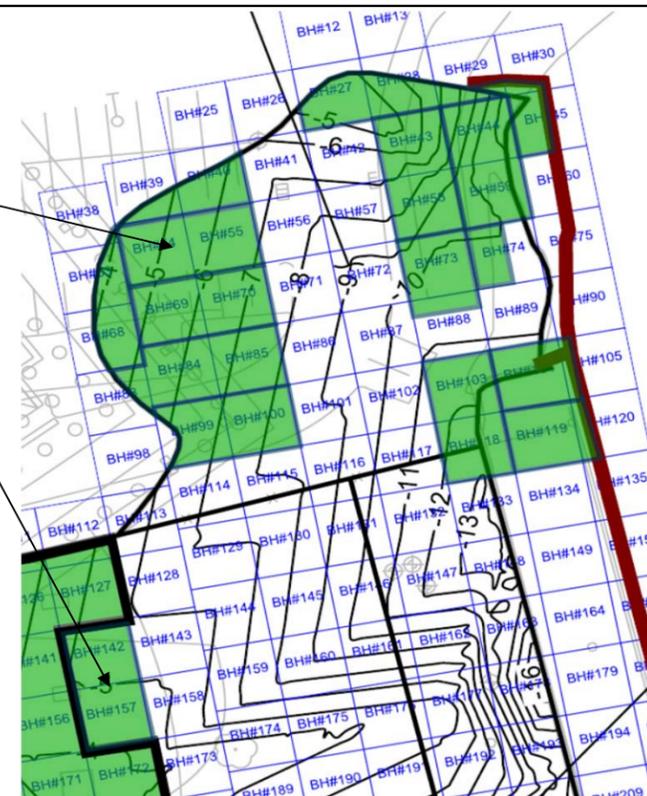
Leaching Reduction by Constituent		29-Mar-18	12-Apr-18	13-Apr-18
1	Arsenic	100%	99%	98%
2	Benzene	99%	100%	100%
3	Toluene	99%	100%	100%
4	Ethylbenzene	99%	100%	100%
5	Total Xylenes	99%	100%	100%
6	Naphthalene	92%	99%	99%
7	Acenaphthene	82%	98%	96%
8	Acenaphthylene	95%	98%	99%
9	Anthracene	80%	96%	93%
10	Benzo(a)anthracene	77%	92%	89%
11	Benzo(a)pyrene	NE	92%	83%
12	Benzo(b)fluoranthene	NE	91%	84%
13	Benzo(g,h,i)perylene	NE	84%	69%
14	Benzo(k)fluoranthene	NE	84%	65%
15	Chrysene	60%	85%	85%
16	Dibenz(a,h)anthracene	NE	56%	NE
17	Fluoranthene	65%	88%	88%
18	Fluorene	82%	97%	96%
19	Indeno(1,2,3-cd)pyrene	NE	84%	66%
20	Phenanthrene	72%	93%	92%
21	Pyrene	68%	89%	82%
<b>Constituents Passing</b>		<b>7/15</b>	<b>14/21</b>	<b>11/20</b>

Leaching calculations for each constituent provided in Attachment 5 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. NE



AREA 8

AREA 7A



Note: Mixed areas awaiting EPA inspection indicated with blue shading. Green cells are mixed