

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

September 9, 2019

**Subject: Quanta Resources Corporation Superfund Site, Operable Unit 1 (OU1), Edgewater, New Jersey,  
Progress Report: August 2019**

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 August 2019, approximately 173,500 labor hours worked without a lost-time incident.
- No recordable incidents occurred during the month of August.

## **Work Completed**

The activities completed during August 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 August.

### **OU1 General Civil Work**

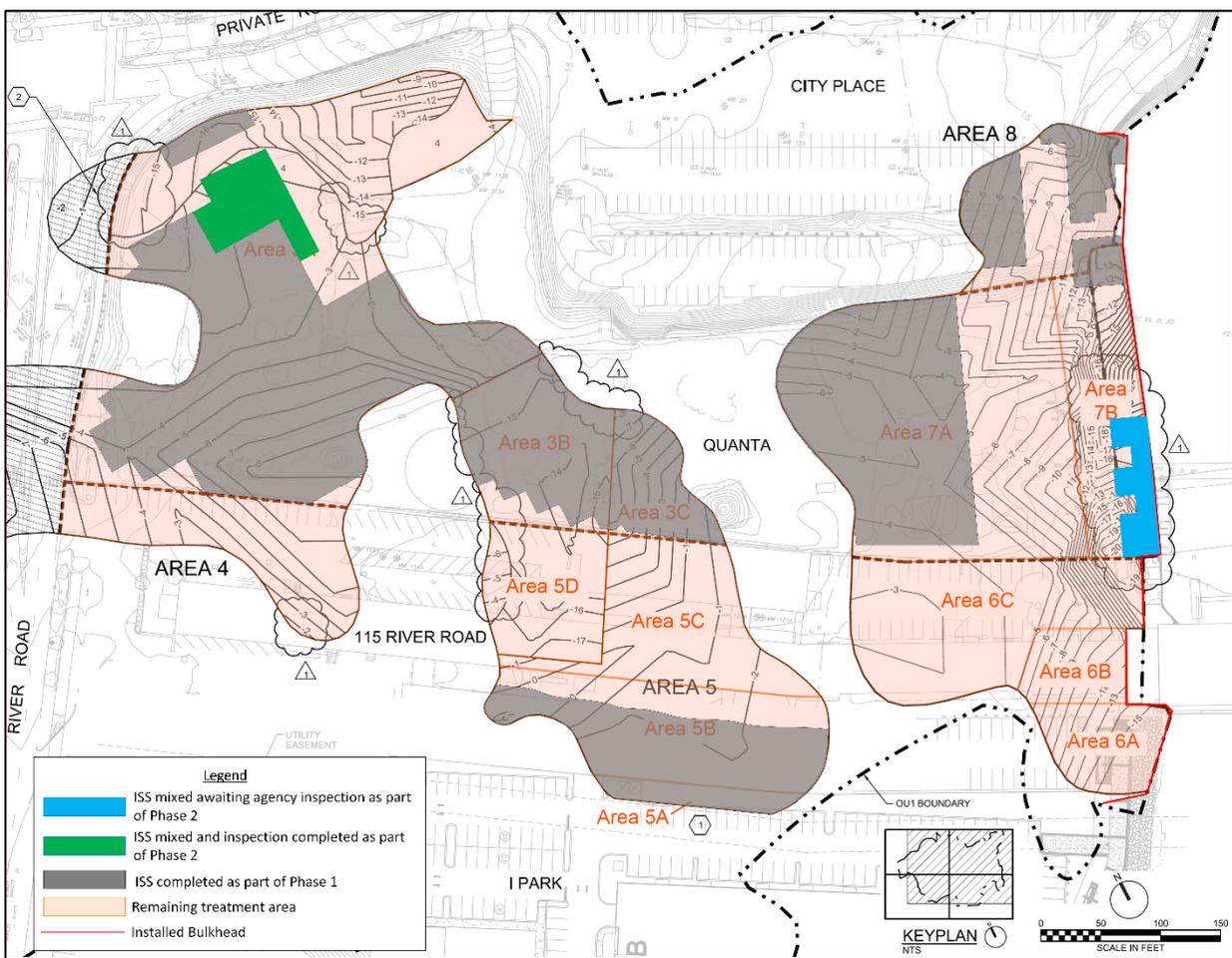
- Supported site contractor operations and continued general site maintenance activities.

### **OU1 ISS**

- Completed disassembling Tent 3-1 located in ISS Area 3A (northwest corner of Site). Reassembled and expanded Tent 3-2 located in ISS Area 3A.
- Continued debris removal and ISS activities at Tent 7-1 located in ISS Area 7B (adjacent to the bulkhead). Fourteen (14) cells (3,741 CY of material) were treated (see attached dashboard for maps).

### **OU1 Bulkhead Installation**

- No bulkhead installation work activities occurred during the reporting period



**Figure 1. Bulkhead and In Situ Solidification/Stabilization (ISS) Progress through August 2019**  
 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 August.
- Continued perimeter air monitoring in accordance with the Perimeter Air Monitoring Plan and the applicable adjustments/addendums.

**OU1 Offsite Waste Disposal**

- Non-Hazardous
  - Eight (8) 30-cy roll-offs of treated wood debris to Cavalier Environmental Compliance Services, Inc. in Sparta, NJ.
  - One (1) 20-cy roll-off of PPE debris to Environmental Recovery Corporation in Lancaster, PA.
- Hazardous
  - Two (2) 55-gallon drums of NAPL to Veolia in Flanders, NJ.
  - Three (3) 55-gallons drums of NAPL stained PPE to CycleChem in Lewisberry, PA.

### **OU1 NAPL Recovery**

- Gauged accessible sentry wells on August 29.
- 52 gallons of NAPL were pumped from RW4-2

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

- Completed weekly boom and SWPPP inspections on August 2, August 9, August 16, August 23, and August 30.
- Replaced inner and outer absorbent boom and repaired hard boom on August 16.

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

- Continue NAPL pumping at RW4-2.
- Gauge sentry wells.
- Continue debris removal and ISS activities in Tent 7-1 located in ISS Area 7B (adjacent to the bulkhead)
- Commission Tent 3-2 located in ISS Area 3A (northwest corner of Site) and begin debris removal and ISS activities in tent.
- Begin debris removal, debris management and ISS activities in Area 6A (adjacent to and south of the Pier Building) outside of a tent.

## **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**

Provided perimeter and offsite air monitoring data when received (typically daily) to EPA. Results continue to show non-detects for naphthalene at the residential receptors during intrusive activities. These results were uploaded upon receipt to [www.quantaremediation.com](http://www.quantaremediation.com)

### **Other Deliverables and Submittals**

Provided an update the original UFP-Quality Assurance Project Plan (QAPP) to EPA on August 16. Updates include changes to laboratory contact information, modifications in accordance with the latest Perimeter Air Monitoring Plan Addendum, and adjustment of scope and schedule details for consistency with the December 2018 RAWP Addendum.

## **Issues and Corrective Actions**

No corrective actions were taken during this reporting period.

### **Stakeholder Communication and Community Involvement**

- Submitted the monthly progress report for July on August 8.
- Reviewed and updated the Honeywell website as needed. Coordinated preparation of written updates and maps and submitted progress photos.
- Tracked community concerns and complaints. In August, three community concerns were submitted to EPA.
- Provided weekly and as-needed progress updates for email distribution to pier tenants.
- Submitted weekly updates to EPA summarizing upcoming site activities.
- Uploaded daily air monitoring results to [www.quantaremediation.com](http://www.quantaremediation.com)

### **Activities Planned for Next 6 Weeks**

- Continue with NAPL recovery operations and submit the next quarterly data transmittal.
- Continue weekly boom inspections and SWPPP inspections, and associated maintenance.
- Commission tent 3-2 located in ISS Area 3A (N-W corner of Site) and begin debris removal and ISS activities under tent.
- Continue ISS mixing in Areas 3A and 7B as feasible.
- Complete ISS mixing outside the tent in Area 6A and begin realignment of utilities. ISS activities outside are anticipated to commence on September 9<sup>th</sup>.

### **Schedule Update and Delays**

The schedule is currently being completed and will be provided once finalized. Phase 2 activities are anticipated to extend into mid to late 2020.

### **Percent Complete**

Work associated with the OU1 Remedial Action is approximately 58 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

Copies to:

Clay Monroe (EPA)  
Steve Coladonato (Honeywell)  
Erica Bergman (NJDEP)  
Helen Fahy (Fahy Associates)  
Neil Ravensbergen (USACE)  
Frank Rossi (Boswell)

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

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Michael Johnson (USACE)  
Devin Sokolich (Hongkun USA)

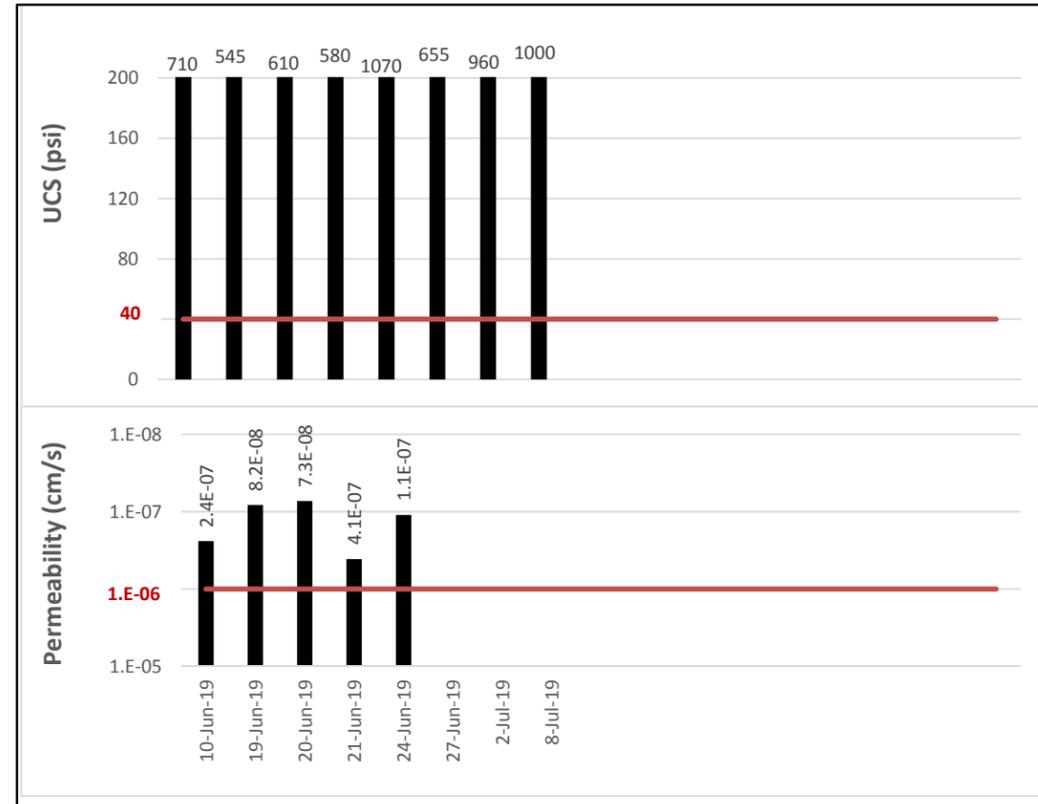
### In Situ Solidification/Stabilization Results Dashboard, Leaching Batch 5

Quanta Resources Corporation Superfund Site, OU1

Data through: 9/4/2019

Tent	Date	Volume (CY)	Mix Design		UCS (≥40 psi)	Permeability (≤1E-6 cm/s)
			Cement	Slag		
3-1	10-Jun-19	288	2%	6%	710	2.40E-07
3-1	19-Jun-19	167	2%	6%	545	8.20E-08
3-1	20-Jun-19	166	2%	6%	610	7.30E-08
3-1	21-Jun-19	280	2%	6%	580	4.10E-07
3-1	24-Jun-19	147	2%	6%	1070	1.10E-07
3-1	27-Jun-19	343	2%	6%	655	
3-1	2-Jul-19	343	2%	6%	960	data pending
3-1	8-Jul-19	342	2%	6%	1000	

Total CY Mixed: 2076



Leaching Reduction by Constituent		8-Jul-19	
Site	Constituent		
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		
<b>Constituents Passing</b>			

Data Pending

*Leaching calculations for each constituent provided in 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 - Not Evaluated; constituent not detected in baseline sample.*



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

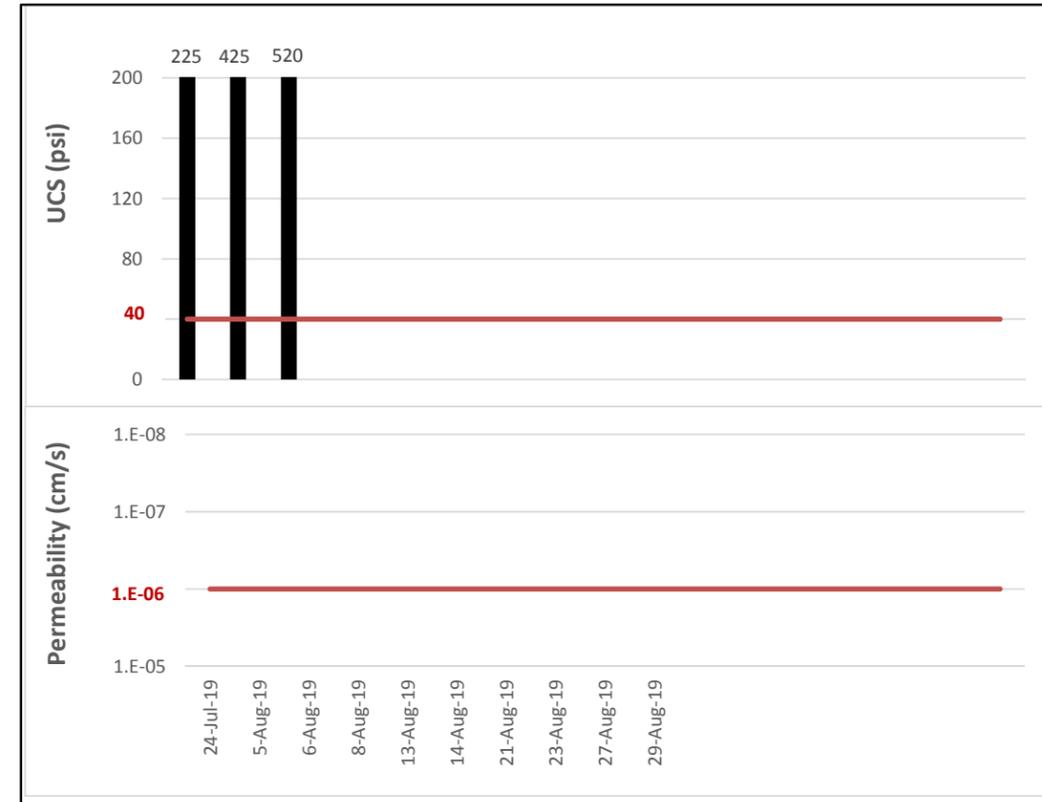
### In Situ Solidification/Stabilization Results Dashboard, Leaching Batch 6

Quanta Resources Corporation Superfund Site, OU1

Data through: 9/4/2019

Tent	Date	Volume (CY)	Mix Design		UCS (≥40 psi)	Permeability (≤1E-6 cm/s)
			Cement	Slag		
7-1	24-Jul-19	536	2%	6%	225	
7-1	5-Aug-19	494	2%	6%	425	
7-1	6-Aug-19	488	2%	6%	520	
7-1	8-Aug-19	468	2%	6%	data pending	
7-1	13-Aug-19	502	2%	6%		
7-1	14-Aug-19	524	2%	6%		
7-1	21-Aug-19	354	2%	6%		
7-1	23-Aug-19	323	2%	6%		
7-1	27-Aug-19	291	2%	6%		
7-1	29-Aug-19	298	2%	6%		

Total CY Mixed: 4277



Leaching Reduction by Constituent		8-Aug-19	
Site	Constituent		
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		
<b>Constituents Passing</b>			

Data Pending

*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*

