

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

August 9, 2019

**Subject: Quanta Resources Corporation Superfund Site, Operable Unit 1 (OU1), Edgewater, New Jersey,
Progress Report: July 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 July 2019, approximately 165,423 labor hours worked without a lost-time incident.
- No recordable incidents occurred during 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, on the following page, depicts the work activities completed as of the end of July.

OU1 General Civil Work

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

OU1 ISS

- Completed debris removal and ISS activities in the first ISS tent in Area 3 (adjacent to City Place)
- Completed agency inspection of completed ISS within the tent in Area 3 on July 9.
- Completed reshaping the soil stockpile within Area 3 to allow for the placement of a tent on top of the stockpile for further management.
- Began disassembling the first ISS tent in Area 3 (adjacent to City Place) to prepare to relocate the tent to the next ISS location in Area 3.
- Completed erecting a second ISS tent in Area 7 (adjacent to the bulkhead). Began debris removal and ISS activities in this tent.
- ISS is approximately 46% complete

OU1 Bulkhead Installation

- No bulkhead installation work activities occurred during the reporting period

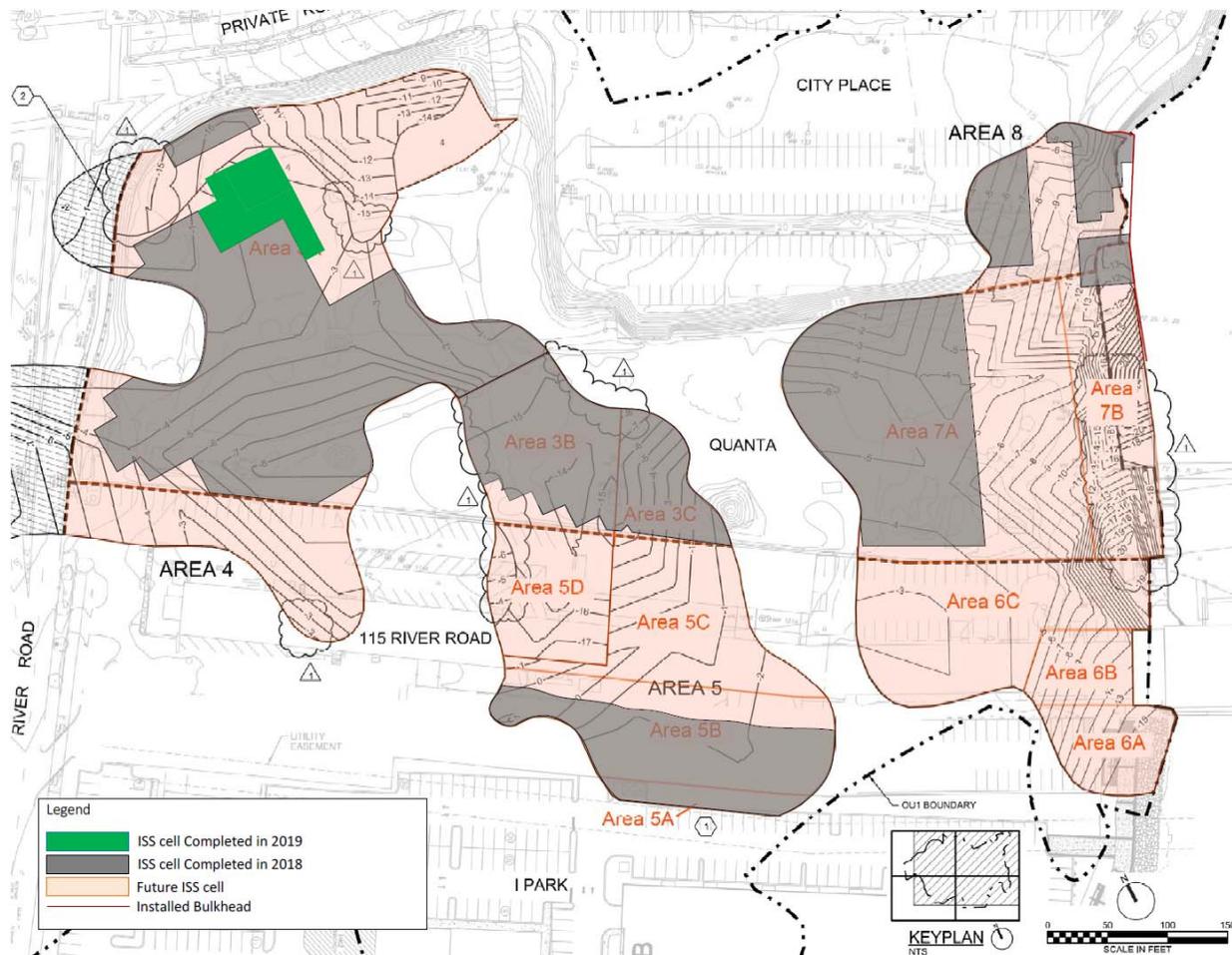


Figure 1. Bulkhead and In Situ Solidification/Stabilization (ISS) Progress through July 2019
ISS areas shown are approximate and not drawn to scale.

OU1 Vibration and Air Monitoring

- Continued with vibration and movement monitoring. Observed no vibrations outside the project limits during July.
- Continued perimeter air monitoring in accordance with the Perimeter Air Monitoring Plan and the applicable adjustments/addendums.

OU1 Offsite Waste Disposal

- Non-Hazardous
 - Three (3) 30-cy roll-offs of treated wood debris to Cavalier Environmental Compliance Services, Inc. in Sparta, NJ.
 - Two (2) 25-cy dump trucks of asphalt for recycling to Reliable Wood, Inc. in Sparta, NJ.
 - One (1) 30-cy roll-off of metal scrap for recycling to Evergreen Recycling Solutions in Newark NJ.
- 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

- Baildown test at RW4-2 completed on July 1
- Gauged accessible sentry wells on July 26
- 45 gallons of NAPL were pumped from RW4-2

Site Security, Maintenance, and Inspections

- Completed weekly boom and SWPPP inspections on July 3, July 10, July 17, and July 25.
- Replaced inner and outer absorbent boom on July 3.

Two-Week Look-Ahead

- Continue NAPL pumping at RW4-2.
- Gauge sentry wells.
- Perform baildown tests at RW4-2
- Continue debris removal and ISS activities in the second ISS tent in Area 7 (adjacent to the bulkhead)
- Meet with owners and tenants of the Pier Building property on July 8, 2019 to begin discussions around work activities adjacent to their building starting in early September.
- Relocate the first ISS Tent in Area 3 to the next location (on top of the existing soil stockpile) and commission 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 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 the first phase of intrusive activities. These results were uploaded upon receipt to www.quantaremediation.com

Other Deliverables and Submittals

No other submittals were provided in July

Issues and Corrective Actions

Operational Conditions

Due to the warm summer temperatures, production within the tents is lower than anticipated. Afternoon temperatures within the tents have reached as high as approximately 120 °F. This has slowed down production. In response, the contractor has applied an engineering control outfitting the tents with high velocity fans to mitigate stagnant air zones within the tent. The contractor has also revised and

implemented additional protocols to their current health and safety plan regarding working in extreme heat conditions. These protocols include shorter work time increments and longer breaks when temperatures are above normal working conditions. Any employee working within the tent when the ambient air temp is elevated above 85 °F will have access to Vortex Cooling or Ice Vest in order to keep employee body temperature stable. These personal cooling options were added to the personnel monitoring already in place.

Community Complaint

One odor complaint was received in July from a resident south of the site at the iPark facility. In response to the complaint, the area where the odor was observed was inspected and there did not appear to be any odors associated with site activities. Wind directions were reviewed, and winds were coming off of the Hudson River at the time of the complaint. No further action was taken as it appeared odors were coming from the Hudson River and not construction related.

Stakeholder Communication and Community Involvement

- Submitted the monthly progress report for June on July 10.
- Met with the board members at City Place on July 18 to begin planning for upcoming activities associated with the High Concentration Arsenic Area (HCAA) remedy.
- 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 July, one community concern was submitted EPA.
- Provided weekly and as-needed progress updates for email distribution to pier tenants.
- Submitted weekly updates to EPA summarizing upcoming site activities.

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.
- Relocate the first ISS tent, adjacent to City Place, in Area 3 and re-commission tent. Commence ISS activities under the tent once relocated.
- Continue ISS mixing in Areas 3 and 7.
- Begin preparation activities for ISS mixing outside of a tent in Area 6, adjacent to the 115 Pier Building. ISS Activities outside are anticipated to commence on or about September 9th.

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 55 percent complete.

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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,

A handwritten signature in black ink, appearing to read "Stephen J. Zarlinski".

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)
Michael Johnson (USACE)
John Tsun (Boswell Engineering)

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

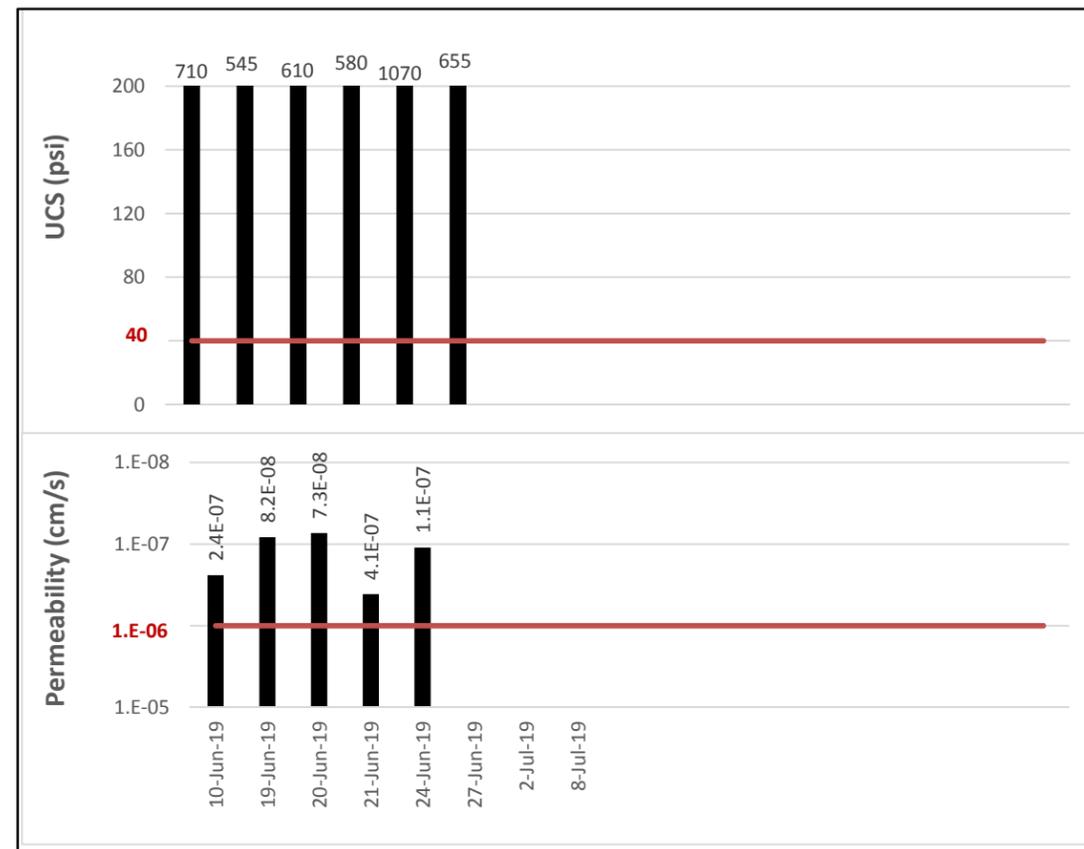
In Situ Solidification/Stabilization Results Dashboard, Leaching Batch 5

Quanta Resources Corporation Superfund Site, OU1

Data through: 8/5/2019

Tent	Date	Volume (CY)	Mix Design		UCS (≥ 40 psi)	Permeability ($\leq 1E-6$ 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%		
3-1	8-Jul-19	322	2%	6%		

Total CY Mixed: 2057



Leaching Reduction by Constituent			
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		
Constituents Passing			

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.