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January 6, 2021

Attention: Mr. Shane Nelson, RPM/OSC
U.S. Environmental Protection Agency – Region 2
290 Broadway, Floor 19
New York, NY 10007-1866

Subject: Quanta Resources Corporation Superfund Site, Operable Unit 1 (OU1), Edgewater, New Jersey, Progress Report: December 2020

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 31, 2020, approximately 314,000 labor hours worked.

During December, the efforts detailed in the March and April Progress Reports specific to preventing the spread of the COVID-19 virus during cleanup activities continued. These plans require best practices for site safety, including face covering, gloves, and other appropriate personal protective equipment (PPE) for employees and visitors, random temperature checks of employees, tracking employees who might be ill, and social distancing. Additional efforts have been taken to revise health and safety plans as well as best management practices on site as information becomes available in response to the COVID-19 pandemic. Onsite operations are continually evaluated to make sure onsite staff are safe in light of the current events. Additionally, the team is adhering to New Jersey travel restrictions to high-risk states.

Work Completed

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

OU1 General Civil Work

- Supported site contractor operations and continued general site maintenance activities.
- Managed Category 1 debris generated from ISS activities.
- Prepared and paved new public parking area following relocation of Tent 5-2 in ISS Areas 5C and 5D (southcentral portion of the Site).OU1 ISS



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OU1 ISS

- Completed final air clearance testing in Tent 5-2 located in ISS Areas 5C and 5D (southcentral portion of the Site). Disassembled tent and completed relocating tent to the Tent 6-2 location in ISS Area 6C (southeastern portion of the Site). Began debris removal and ISS activities in Tent 6-2. Two (2) partial cells and six (6) full cells (820 CY of material) were treated.
- Completed relocating Tent 4-1 to the Tent 4-2 location in ISS Area 4 (southwestern portion of the Site). Began debris removal and ISS activities in Tent 4-2. Seven (7) partial cells and five (5) full cells (1,630 CY of material) were treated.

OU1 Bulkhead Installation

- Completed miscellaneous minor repairs to the bulkhead and final punch list items.
- Completed final shoreline restoration activities in ISS Area 8 (northeastern portion of the Site).
- Demobilized from the Site following completion of work activities.
- Bulkhead installation is complete.

OU1 Vibration and Air Monitoring

- Continued with vibration and movement monitoring. Observed one (1) vibration Threshold Value exceedance during December. The Threshold Value exceedance was investigated and was determined not to be a result of Site operations.
- Continued perimeter air monitoring in accordance with the Perimeter Air Monitoring Plan and the applicable adjustments/addendums.

OU1 Offsite Waste Disposal

- Non-Hazardous
 - No waste was transported off-site in December.
- Hazardous
 - No waste was transported off-site in December.

OU1 NAPL Recovery

- Pumped approximately 65 gallons of NAPL from RW4-2
- Sentinel wells were measured on December 22

High Concentration Arsenic Area (HCAA)

- No activities associated with the HCAA were conducted in December.

Site Security, Maintenance, and Inspections

- Completed weekly boom inspections on December 4, December 7, December 18, December 21, and December 29.



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- Replaced the inner absorbent boom and the boom on the south side of the Pier Building on December 18.
- Completed weekly SWPPP inspections on December 10, December 16, December 21, and December 29.

Two-Week Look-Ahead

- Continue pumping RW4-2.
- Perform baildown test at RW4-2.
- Gauge sentry wells.
- Complete clearing, ISS and debris management activities in Tent 4-2 in ISS Area 4 (southwestern portion of the Site). Complete temporary cap installation and final air clearance testing and begin disassembling tent for demobilization from the Site.
- Continue clearing, ISS and debris management activities in Tent 6-2 in ISS Area 6C (southeastern portion of the Site).

Data and Submittals

ISS Compliance Data Summary

All samples required 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. As defined by Section 2.6 of the EPA approved UFP-QAPP, conformance testing is performed on samples after a 28-day cure process. As defined by the EPA approved remedial design, conformance testing includes UCS, permeability, and leachability using EPA Method 1315. UCS and permeability tests provide results within 5-days after the 28-day cure process. EPA Method 1315M (the Semi-Dynamic Leaching Modified for Organics) provided as Attachment 2 of the UFP-QAPP, takes a total of 63-days to run (once the 28-day cure time has passed) followed by laboratory analysis, validation, and evaluation. Therefore, leaching results are available approximately 100-days after the 28-day cure time.

The attached ISS Results Dashboards (Attachment A) presents results for 28-day cure time conformance data results where available.

Air Monitoring

Provided perimeter and offsite air monitoring data when received (typically daily) to EPA. The website was updated in August to better show offsite results compared to the risk-based screening levels. These results were uploaded upon receipt to www.quantaremediation.com

Other Deliverables and Submittals

- Submitted request to EPA on December 4 requesting concurrence on the Block 93 Central capping plan meets the requirements of the remedial design.



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Corrective Actions

No corrective actions were required during this reporting period.

Stakeholder Communication and Community Involvement

- Submitted the monthly progress report for November on December 8th.
- Reviewed and updated the Honeywell website as needed. Coordinated preparation of written updates and maps, and submitted progress photos and air analysis graphs.
- Tracked community concerns and complaints. No community concerns were submitted through the hotline in December. Continue weekly notification of upcoming Saturday work.
- 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 and updated weekly air data and trend graphs.

Activities Planned for Next 6 Weeks

- Continue with NAPL recovery operations.
- Continue weekly boom inspections and SWPPP inspections and associated maintenance.
- Complete disassembly of Tent 4-2 in ISS Area 4 (southwestern portion of the Site) and demobilize from the Site.
- Complete clearing, ISS and debris management activities outside of a tent in non-tent area 41 (NT-41) in ISS Area 4 (southwestern portion of the Site). Restore area following completion of work.
- Complete clearing, ISS and debris management activities outside of a tent in non-tent area 53 (NT-53) in ISS Areas 5B and 5D (southcentral portion of the Site). Restore area following completion of work.
- Complete clearing, ISS and debris management activities in Tent 6-2 located in ISS Area 6C (southeastern portion of the Site). Complete temporary cap installation and final air clearance testing following completion of ISS. Disassemble tent and begin relocating to the Tent 6-1 location in ISS Area 6C (southeastern portion of the Site).
- Load out remaining Area 7 overburden stockpile for offsite disposal.

Schedule Update and Delays

Revised schedule has been developed detailing the end of the project and was submitted with the September 2020 status report. As detailed in this schedule, intrusive activities are planned to be completed in early 2021 with all equipment demobilized by late winter 2021.

Percent Complete

Work associated with the entire OU1 Remedial Action is approximately 86 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,

Stephen J. Zarlinski
Project Manager

Attachment – Figure 1 - ISS Status Map
In Situ Solidification/Stabilization Results Dashboard
Waste Manifests

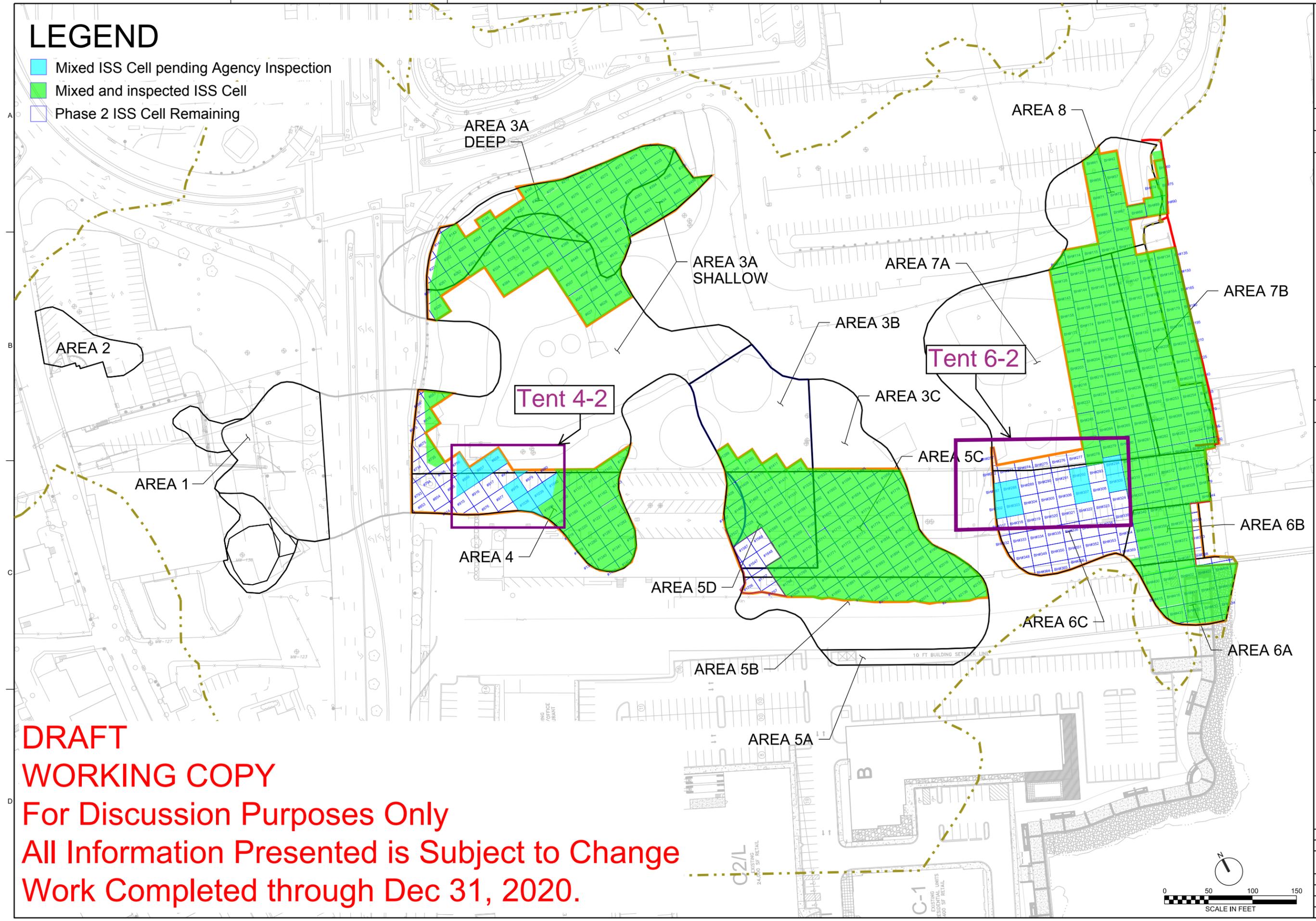
Copies to:

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

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

LEGEND

- Mixed ISS Cell pending Agency Inspection
- Mixed and inspected ISS Cell
- Phase 2 ISS Cell Remaining



DRAFT
 WORKING COPY
 For Discussion Purposes Only
 All Information Presented is Subject to Change
 Work Completed through Dec 31, 2020.

NO.	DATE	DR	REVISION	BY	APVD

HONEYWELL INTERNATIONAL INC.
 QUANTA RESOURCES CORPORATION
 SUPERFUND SITE
 Edgewater, New Jersey

JACOBS

CIVIL

PHASE 2 ISS CELLS

1"=50'

VERIFY SCALE
 BAR IS ONE INCH ON ORIGINAL DRAWING.

DATE	
PROJ	428872
DWG	FIG-1
SHEET	of