



**CH2M BOS**  
18 Tremont Street  
Suite 700  
Boston, MA  
02108-2307  
O +1 617.523.2002  
F +1 617.723.9036  
www.ch2m.com

August 7, 2015

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

Subject: **Quanta Resources Corporation Superfund Site, Operable Unit 1 (OU1)  
Edgewater, New Jersey  
Progress Report – July 2015**

Dear Mr. Ho:

This letter is the progress report required pursuant to the U.S. Environmental Protection Agency (EPA) Consent Decree (CD) 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.

## Activities Completed

The following activities were completed during this reporting period as part of continued actions being undertaken to comply with the AOC, CD, and the Record of Decision (ROD).

### OU1 Remedial Design/Remedial Action

- Hosted a conference call with the technical team on July 9 to discuss outstanding questions related to the high concentration arsenic area (HCAA) laboratory testing and geotechnical modeling.
- Provided clarification to EPA on July 15 on the updated schedule for activities related to OU1. This was followed up by an email submittal to EPA on July 30 detailing outstanding items requiring alignment on for the remedial design.
- Received notice from the EPA on July 15 confirming that no further delineation of the NAPL zones would be required during remedial actions at the site. This is consistent with the ROD. EPA indicated that no further documentation was needed.
- Attended a pre-application conference on July 21 with the NJDEP Division of Land Use to discuss the permitting necessary for the upcoming remedial action.
- Mobilized to the site on July 20 to commence activities associated with the NAPL Recovery Remedial Design/Remedial Action Work Plan. Work was completed July 30.

### Vapor Intrusion

- Continued preparation of the annual VI report for 115 River Road, 103 River Road, and 163 Old River Road.

### Site Security, Maintenance and Boom Inspection

- Conducted weekly site security and boom inspections.
- Four signs were replaced on July 15.
- A complete boom change out was performed on July 20. All soft booms were replaced.

## Stakeholder Communication and Community Involvement

- Submitted the monthly progress report for June 2015 to EPA on July 10, 2015.

## Analysis and Deliverables

- A full list of deliverables submitted since signing of the ROD is included in Attachment A.

## Modifications, Violations, and Corrective Actions

- No violations or corrective actions during this reporting period.

## Activities Planned for Next Reporting Period

- Commence weekly gauging of the newly installed recovery wells for NAPL recovery to monitor for NAPL equilibration.
- Submit a groundwater sampling plan in order to collect additional information to support the design of the OU1 subaqueous reactive barrier.
- Conduct monthly site security and weekly Hudson River boom inspections.
- Submit the annual VI Report for results at 115 River Road, 103 River Road, and 163 Old River.

## Project Status /Project Delays Encountered

RD is approximately 65% complete.

- A preliminary project schedule was submitted as part of the Final Remedial Design Work Plan on January 6, 2014.
- An updated construction project schedule was provided with the Remedial Design Report submitted on June 19, 2015 with further clarification provided to EPA on July 15, 2015.

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, Project Milestones

cc: Clay Monroe (EPA) Rich Puvogel (EPA)  
Steve Coladonato (Honeywell) Erica Bergman (NJDEP)  
Greg Franz (Borough of Edgewater) Helen Fahy (Fahy Associates)  
Mark Nielsen (Environ)

# Attachment A – Project Milestones

The below includes OU1 tasks completed since the signing of the ROD associated with the RD/RA at the Quanta Resources Corporation Superfund Site:

Milestone	Date Completed
EPA signed OU1 ROD	September 29, 2011
Draft Consent Decree for remedial design/remedial action issued by EPA	November 10, 2011
Submitted “good faith offer” letter to EPA regarding intent to conduct or finance implementation of the ROD	January 13, 2012
Submitted Quanta OU1 Pre-Design Activities letter of intent	April 23, 2012
Submitted letter of intent for activities associated with finishing the parking garage at Block 91, Lot 1 Quanta OU1 Pre-Design Activities letter of intent	May 7, 2012
Received notice to proceed on parking garage activities	May 18, 2012 (via e-mail)
Submitted Pre Design Work Plan associated with field work for data collection as part of the remedial design	May 23, 2012
Received EPA comments on draft Pre Design Work Plan submitted on May 23, 2012	June 29, 2012 (via e-mail)
Submitted final Pre Design Investigation Work Plan	August 7, 2012
Received notice to proceed from EPA regarding the predesign investigation activities	August 22, 2012
Submitted Predesign Investigation Work Plan Addendum, Hydraulic Profiling Tool (HPT) associated with additional data collection as part of the remedial design	September 12, 2012
Received notice to proceed from EPA regarding the HPT	September 21, 2012
Submitted draft technical memorandum of Hurricane Sandy Impact to the Quanta site	November 9, 2012
Consent Decree for the RD/RA lodged with the Department of Justice	November 27, 2012
Submitted 2013 vapor intrusion work plans for 163 Old River Road and 115 River Road	December 17, 2012
Submitted Remedial Design Work Plan to EPA in accordance with the draft consent decree	January 9, 2013
Submitted a letter for the 2013 vapor intrusion sampling event proposed path forward to EPA and NJDEP	January 15, 2013
Received comments to the 2013 vapor intrusion work plans from NJDEP and EPA	February 13, 2013
Submitted a response to comments document to EPA and NJDEP associated with comments on the 2013 vapor intrusion work plans	March 6, 2013
Submitted revised vapor intrusion work plans for 115 River Road, 103 River Road, and 163 Old River Road	March 11, 2013
Received notice to proceed from EPA regarding the 2013 VI sampling event	March 15, 2013 (via email)
Submitted evaluation of the 2013 vapor intrusion results for 115 River Road, 103 River Road, and 163 Old River Road as compared to the NJDEP RAL to NJDEP and EPA.	April 22, 2013 (via email)
Received EPA comments on draft Remedial Design Work Plan	May 17, 2013
Submitted the 2013 Vapor Intrusion Results Letter associated with the 2013 VI heating season sampling event at 115 River Road, 103 River Road, and 163 Old River Road	May 22, 2013
Submitted Response to Comments document and final Remedial Design Work Plan	June 14, 2013
Submitted Field Sampling and Analysis Report and Remedial Design Work Plan Addendum associated with the ISS Field Demonstration to NJDEP and EPA	August 2, 2013

Milestone	Date Completed
Received responses to the FSAR and RDWP Addendum from NJDEP and EPA	September 5, 2013
Received responses to the UFP-QAPP from EPA	September 17, 2013
Submitted response to comments document and final RDWP Addendum (with UFP-QAPP)	September 20, 2013
Submitted 2013/2014 vapor intrusion work plans for 115 River Road, 103 River Road, and 163 Old River Road	September 27, 2013
Received approval on field demonstration activities and compliance with the Coastal Area Facilities Act from NJDEP	October 10, 2013
Received comments from NJDEP and EPA on the Draft Work Plan for the Winter 2013/2014 Monitoring Events at 115 River Road, 163 Old River Road, and 103 River Road	November 5, 2013
Final Remedial Design Work Plan (RDWP) Addendum for the in-situ solidification (ISS) field demonstration was submitted to NJDEP and EPA	November 6, 2013
Received official approval and notice to proceed from EPA regarding the ISS field demonstration	November 12, 2013
Received acceptance from the State Historic Preservation Office (SHPO) that "no historic properties are affected" by the field demonstration	November 14, 2013
Submitted response to comments to EPA and NJDEP in regards to comments received on the Draft Work Plan for the Winter 2013/2014 Monitoring Events	November 20, 2013
Received official approval and notice to proceed from EPA regarding the 2013/2014 vapor intrusion sampling event.	December 13, 2013
Received approval from EPA on Final Remedial Design Work Plan	December 17, 2013
Submitted final vapor intrusion work plans for the 2013/2014 sampling events at 115 River Road, 103 River Road, and 163 Old River Road	December 20, 2013
Submitted tenant and owner notification regarding the indoor air concentration above the RAL in accordance with the NJDEP VI Guidance	January 29, 2014
Submitted High Concentration Arsenic Area Treatability Testing Update and Supplemental Investigation associated with additional sampling events within the HCAA	January 29, 2014
Received comments to the High Concentration Arsenic Area Treatability Testing Update and Supplemental Investigation from EPA	February 7, 2014 (additional comments on February 19)
Submitted response to comments to EPA and NJDEP in regards to comments received on the High Concentration Arsenic Area Treatability Testing Update and Supplemental Investigation	February 11, 2014 (additional clarification on February 25)
Received approval to proceed with the sampling event associated with the HCAA	February 27, 2014
Submitted the 2013/2014 Vapor Intrusion Results Report and Engineered Response Action Report associated with the annual VI heating season sampling event at 115 River Road, 103 River Road, and 163 Old River Road	May 6, 2014
Submitted the Basis of Design Report in accordance with Consent Decree (CD) statement of work (SOW)	May 30, 2014
Submitted baseline groundwater sampling work plan	June 24, 2014
Submitted proposed CEA boundary and NJDEP package for agency review	June 24, 2014
Received Notice of Completion from EPA associated with Administrative Order on Consent (AOC) for the Remedial Investigation and Feasibility Study (RI/FS) at OU1 (Index Number II-CERCLA-2003-2012, Item 53)	July 10, 2014
Submitted sediment sample collection and ISS treatability study to EPA and NJDEP	July 14, 2014
Submitted HCAA Field Demonstration Work Plan to EPA and NJDEP	August 1, 2014
Submitted 2014/2015 vapor intrusion work plans for 115 River Road, 103 River Road, and 163 Old River Road	September 12, 2013

Milestone	Date Completed
Received comments on the HCAA Field Demonstration Work Plan to EPA and NJDEP. Redlined version of the HCAA Field Demonstration Work Plan was submitted back with response to the comments.	September 2 and 16, 2014 (Redlined submitted September 25)
Submitted the Remedial Design and Remedial Action Work Plan for NAPL Recovery EPA and NJDEP.	September 30, 2014
Received notice to proceed from EPA for the HCAA Field Demonstration	October 8, 2014
Submitted the Classification Exception Area (CEA) to NJDEP	October 14, 2014
Received comments on the 2014 vapor intrusion work plans from EPA	October 15, 2014
Received comments on the 2014 vapor intrusion work plans from NJDEP	October 23, 2014
Submitted response to EPA comment and redlined version of the Basis of Design	November 12, 2014
Submitted revised Final 2014/2015 vapor intrusion work plans for 115 River Road, 103 River Road, and 163 Old River Road	November 14, 2014
Submitted additional set of response to EPA comments on Appendix E of the Basis of Design	December 11, 2014
Received notice to proceed from EPA on the 2014/2015 vapor intrusion work plans for 115 River Road, 103 River Road, and 163 Old River Road	January 29, 2015
Submitted updated near shore sampling work plan associated with geotechnical analysis in support of the OU1 shoreline design	January 30, 2015
Received comments from EPA on the Remedial Design (RD)/Remedial Action Work Plan (RAWP) for NAPL Recovery	February 3, 2015
Received note to proceed with work plan associated with geotechnical analysis in support of OU1 shoreline design	February 6, 2015
Received official approval and notice to proceed from EPA regarding the Remedial Design (RD)/Remedial Action Work Plan (RAWP) for NAPL Recovery	April 8, 2015
Submitted draft Remedial Design Report	June 19, 2015