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November 7, 2016

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 – October 2016**

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

- Performed ongoing weekly NAPL recovery operations.
- Submitted the Baseline Groundwater Sampling UFP-QAPP on October 3. Comments from EPA were received on October 14 with a contingent approval to move forward with sampling. A final copy of the Baseline Groundwater Sampling UFP-QAPP was provided back to EPA on October 21.
- Mobilized to the site and began site set up activities associated with the remedial action.
- Mobilized to the site on October 17<sup>th</sup> to commence the baseline air monitoring event. Personnel and equipment were demobilized on October 28<sup>th</sup>.
- Completed the baseline groundwater sampling event the week of October 24<sup>th</sup>.

### Site Security, Maintenance and Boom Inspection

- Performed weekly boom inspections.
- Removed and disposed of waste produced as part of the NAPL recovery operations on October 11<sup>th</sup>. A total of two 55-gallon drums of NAPL (hazardous waste) was transported and disposed of at EQ Detroit, Inc (EPA ID# MID 980991566). An additional five 55-gallon drum drums of NAPL stained waste (hazardous waste) to Michigan Disposal Waste Treatment (EPA ID# MID 000724831).

### Stakeholder Communication and Community Involvement

- Submitted the monthly progress report for September 2016 on October 7.
- Attended a community relations meeting on October 27, 2016.

## 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

- Submit HCAA Bench-Scale Testing report evaluating use of zero valent iron (ZVI) as a remedial reagent.
- Continue with site set up activities associated with the remedial action.

## Project Status /Project Delays Encountered

Work associated with the Remedial Design is approximately 100% complete for the ISS and NAPL recovery portion of the OU1 remedy. Upon mobilization for construction, tracking will switch to progress of the Remedial Action.

The project schedule was provided in the approved Remedial Action Work Plan. Updates will be provided to EPA as needed.

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)
Jose Sananes (Ramboll)	

## 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
Submitted the 2014/2015 Vapor Intrusion Results Report associated with the annual VI heating season sampling event at 115 River Road, 103 River Road, and 163 Old River Road	August 5, 2015
Received official approval and notice to proceed from EPA regarding the SRB Design Groundwater Sampling Work Plan and UFP-QAPP	October 14, 2015
Received comments from EPA on the Remedial Design Report	October 16, 2015
Submitted 2014/2015 vapor intrusion work plans for 115 River Road, 103 River Road, and 163 Old River Road	November 18, 2015
Submitted response to EPA comments and redlined version of the Remedial Design Report	December 1, 2015
Submitted post-construction report associated with the installation of the NAPL recovery wells and baildown testing	December 22, 2015
Submitted final Remedial Design Report	February 1, 2016
Received official EPA approval on the Remedial Design Report	February 3, 2016
Submitted the 2015/2016 Vapor Intrusion Results Report associated with the annual VI heating season sampling event at 115 River Road, 103 River Road, and 163 Old River Road	February 5, 2016
Submitted the HCAA Bench-Scale Testing Report	February 5, 2016
Received comments from EPA on 2015/2016 Vapor Intrusion Results Report	March 9, 2016
Submitted draft Remedial Action Work Plan	March 11, 2016
Submitted the final 2015/2016 Vapor Intrusion Results Report associated with the annual VI heating season sampling event at 115 River Road, 103 River Road, and 163 Old River Road	March 24, 2016

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<b>Milestone</b>	<b>Date Completed</b>
Submitted the first quarterly NAPL Recovery Data Evaluation Report	March 25, 2016
Received comments on the post-construction report associated with the installation of the NAPL recovery wells and baildown testing	March 30, 2016
Received preliminary comments on the Remedial Action Work Plan from EPA	April 21, 2016
Submitted response to comments on the NAPL Recovery Construction Completion Report.	April 28, 2016
Submitted response to comments on the Remedial Action Work Plan	June 27, 2016
Submitted response to comments on the HCAA Bench-scale Testing Report	July 7, 2016
Received the Permit Equivalency Authorization for Waterfront Development Permit, flood hazard area permit & Water Quality Certificate	August 8, 2016
Received official EPA approval on the Remedial Action Work Plan	August 10, 2016
Submitted Final Remedial Action Work Plan	August 26, 2016
Submitted the Baseline Groundwater Sampling UFP-QAPP	October 4, 2016
Received official EPA approval on the Baseline Groundwater Sampling Plan	October 14, 2016
Mobilized to the site and began site set up activities associated with the remedial action	October 17, 2016

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