

September 9, 2022

Ms. Brittany Hotzler Gustavson, Remedial Project Manager

U.S. Environmental Protection Agency
Region 2, New Jersey Remediation Branch
290 Broadway, Floor 19
New York, New York 10007

Re: Quanta Resources Superfund Site, Operable Unit 2 (OU2) Edgewater, New Jersey
Monthly Progress Report – August 2022

Dear Ms. Hotzler Gustavson,

This letter will serve as the monthly progress report required pursuant to the U.S. Environmental Protection Agency (USEPA) Administrative Order on Consent (AOC) for Remedial Investigation and Feasibility Study (RI/FS) at OU2 (Index Number II-CERCLA-2003-2013, Item 53).

Activities Completed This Reporting Period

The following activities were completed during this reporting period as part of continued implementation of the OU2 RI/FS Work Plan:

- Honeywell submitted the monthly progress report for July 2022 to USEPA on August 9, 2022.

Remedy Alternative Evaluation/Feasibility Study

- There were no documents submitted or meetings between USEPA and Honeywell during this reporting period.

Operations and Maintenance

- Completed weekly boom inspections on August 11, August 16, August 23, and August 30.

Activities Planned for the Next Reporting Period

- Conduct weekly site security and Hudson River boom inspections.

Project Delays Encountered/Project Status

USEPA is in the process of revising the draft Feasibility Study Report. We are looking forward to future discussions regarding the finalization of the FS and an appropriate remedial approach for OU2.

Project Milestones

A summary of project milestones is attached.

Please contact me at 315-414-2029 or Helen Fahy, Honeywell Remediation Manager, at 814-571-4912 if you have any questions or comments regarding the Quanta OU2 project.

Sincerely,

A handwritten signature in blue ink, appearing to read "Tim Johnson".

Tim Johnson
Project Manager

cc: Clay Monroe (USEPA)
Pat Evangelista (USEPA)
John Prince (USEPA)
Kim O'Connell (USEPA)
Rich Puvogel (USEPA)
Farnaz Saghafi (USEPA)
Arturo C. Romua, Jr. (NJDEP)
Greg Franz (Borough of Edgewater)
Benny Dehghi (Honeywell)
Helen Fahy (Fahy Associates)
Stephen J. Zarlinski (Jacobs)
Joe Corrado (Jacobs)

Quanta Resources Superfund Site, Operable Unit 2 (OU2) Edgewater, New Jersey Project Milestone Summary

Milestone	Date Completed
Honeywell submitted a letter to USEPA with a summary of recent site evaluations associated with hydraulic dredging and emissions and odor controls, along with considerations for community protection and the benefits of a decision tree when air issues are encountered during remedial construction.	February 18, 2022
USEPA confirmed receipt of the Draft FS Report native files, turned down the offer from Honeywell for a meeting to discuss the FS transfer, and noted they will make an appropriate determination on the level of CSTAG involvement as they work to complete the FS Report.	August 11, 2021
Ken Finkelstein (NOAA) asked for an invitation from Honeywell to the meeting requested of USEPA by Honeywell to discuss the transfer of FS data.	August 9, 2021
Honeywell provided native file formats for the revised Draft FS Report to USEPA.	August 9, 2021
Honeywell submitted a response to USEPA's July 16, 2021 letter to clarify Honeywell's position with respect to the Draft FS Report submission and issues related to the FS evaluation. Honeywell also requested that USEPA consider nominating Quanta OU2 as a Tier 1 site including a review by CSTAG.	July 30, 2021
USEPA requested Honeywell provide working drafts of the revised Draft FS Report and all attachments, including appendices, figures, and tables at Honeywell's earliest convenience.	July 28, 2021
USEPA submitted a letter to Honeywell providing a general description and representative examples of the items USEPA viewed as main deficiencies in the revised Draft FS Report.	July 16, 2021
USEPA submitted a letter to Honeywell stating that USEPA was taking over the feasibility study following review of the revised Draft Feasibility Study Report and response to comments submitted by Honeywell to USEPA on December 4, 2020.	June 29, 2021
Honeywell submitted the revised Draft Feasibility Study Report to USEPA.	December 4, 2020
USEPA and Honeywell participated in a follow up project team meeting.	October 20, 2020
Honeywell submitted a copy of the October 13, 2020 presentation.	October 15, 2020
USEPA requested a copy of the presentation that was given by Honeywell during the project team meeting between USEPA and Honeywell on October 13, 2020.	October 15, 2020
USEPA submitted comments on the Summary of Supplemental FS Analyses provided by Honeywell. The request was made by USEPA to incorporate these comments, in addition to those provided on the Draft Feasibility Study Report in December 2019, into the revised draft Feasibility Study Report that will be submitted to the agency on December 4, 2020.	October 14, 2020
USEPA and Honeywell participated in a project team meeting to discuss content associated with the remedial alternatives for the Feasibility Study.	October 13, 2020
Honeywell confirmed the October 13 meeting date with USEPA.	September 22, 2020
USEPA confirmed receipt of the technical memorandum and requested the meeting be rescheduled on October 13 to allow for sufficient time to review the document.	September 21, 2020
Honeywell submitted the requested technical memorandum on the recent analysis of remedial alternatives to USEPA.	September 15, 2020

Milestone	Date Completed
USEPA confirmed receipt of the revised version of Appendix A (Part 1 Hydrodynamic Modeling and Sediment Erodibility Analysis Study) of the draft Feasibility Study Report and noted there were no further questions or comments on this appendix. USEPA also noted their availability for a meeting between USEPA and Honeywell on September 29 and provided a draft agenda.	September 15, 2020
Honeywell submitted the revised version of Appendix A (Part 1 Hydrodynamic Modeling and Sediment Erodibility Analysis Study) of the draft Feasibility Study Report and response to comments to USEPA.	September 8, 2020
USEPA requested a technical memorandum from Honeywell that included the recent analysis of the remedial alternatives to facilitate a meaningful and expeditious discussion during the upcoming meeting between USEPA and Honeywell. USEPA also suggested the meeting be moved to the week of September 28 to accommodate a two-week review period for the memorandum.	September 1, 2020
Honeywell provided an explanation of the revisions to the May 6 version of the remedial alternatives table and several options for meeting dates during the week of September 21 to discuss the draft Feasibility Study Report.	August 31, 2020
USEPA, USACE and Honeywell participated in a meeting to discuss comments on the revised version of Appendix A to the draft Feasibility Study Report.	August 27, 2020
USEPA requested an explanation of the revisions to the remedial alternatives table (May 6 version provided by Honeywell) by September 2. In addition, USEPA provided additional comments on the revised version of Appendix A of the draft Feasibility Study Report and requested a response to comments by September 9. In order to allow for sufficient time to address these items, USEPA suggested scheduling a meeting to discuss the Feasibility Study Report during the week of September 21.	August 26, 2020
Honeywell provided several potential meeting dates and a draft agenda to USEPA to discuss the draft Feasibility Study Report.	August 21, 2020
USEPA confirmed receipt of the revised version of Appendix A and identified a follow up discussion regarding setting up a meeting to discuss the Feasibility Study Report. Honeywell also offered to schedule a call to help facilitate review of the document.	August 7, 2020
Honeywell submitted the revised version of Appendix A of the draft Feasibility Study Report, model input files, and responses to comments to USEPA.	August 6, 2020
USEPA and Honeywell participated in a meeting to discuss USEPA's review of the revised Appendix A (Part 1 - Hydrodynamic Modeling and Sediment Erodibility Analysis Study) of the draft Feasibility Study Report and the comments provided on July 23.	August 3, 2020
USEPA scheduled a call between Honeywell and USEPA to discuss the path forward on the draft Feasibility Study Report.	July 29, 2020
USEPA submitted comments to Honeywell on Appendix A of the Draft Feasibility Study Report and requested a response to the comments be provided by August 6.	July 23, 2020
Honeywell submitted the revised version (second draft) of Appendix A of the Feasibility Study Report to USEPA. This appendix contained two parts including Part 1 - Hydrodynamic Modeling and Sediment Erodibility Analysis Study and Part 2 - Evaluation of In Situ Capping Effects on Lower Hudson River Flood Elevations. The submittal also included responses to USEPA's comments associated with the initial draft version of Appendix A.	June 23, 2020
Honeywell provided a schedule update to USEPA that noted that the revised version of Appendix A for the Feasibility Study Report, would be submitted on June 23.	June 18, 2020

Milestone	Date Completed
New Jersey Department of Environmental Protection provided comments to Honeywell regarding the request for concurrence that placement of a treatment cap does not require pre-dredging to comply with Coastal Zone Management and Flood Hazard requirements.	June 16, 2020
Honeywell submitted a memorandum to NJDEP and USEPA on May 28 describing evaluations related to capping OU2 sediments and requested NJDEP concurrence that placement of a treatment cap does not require pre-dredging before placement and complies with applicable New Jersey Flood Hazard Area and Coastal Zone Management rules	May 28, 2020
USEPA requested Honeywell revise Appendix A of the FS per USEPA comments and resubmit by June 19.	May 21, 2020
Honeywell participated in a meeting with USEPA to discuss revisions to Appendix A of the FS and considerations for cap design. USEPA requested that the FS not be revised until review of the revised version of Appendix A has been completed.	May 20, 2020
USEPA requested a revised version of Appendix A - Hydrodynamic Modeling and Sediment Erodibility Analysis Study prior to the submittal of the revised FS. USEPA requires review of the revised Appendix A before the list of alternatives can be finalized for the revised FS.	May 18, 2020
USEPA requested a copy of the alternatives table that was presented by Honeywell during the meeting on May 6 and Honeywell provided a copy to USEPA the same day.	May 7, 2020
Honeywell participated in a conference call on May 6 with USEPA and New Jersey Department of Environmental Protection (NJDEP) to continue discussions regarding the remedial alternatives for the revised FS.	May 6, 2020
NJDEP submitted a response to Honeywell indicating that the proposed cap placement would not result in additional flooding, but the need/benefit for a cap placed at an elevation higher than the riverbed would still need to be demonstrated.	April 30, 2020
Following a conversation with NJDEP, Honeywell submitted a revised flood hazard analysis to NJDEP.	April 30, 2020
USEPA scheduled a meeting with Honeywell for May 6 to discuss the remedial alternatives included in the revised FS Report.	April 23, 2020
Honeywell submitted the presentation slides from the April 16 meeting to USEPA.	April 22, 2020
USEPA, Honeywell, NJDEP, and USACE participated in a conference call to advance discussions regarding the remaining comments on the draft Feasibility Study Report. USEPA also requested potential meeting dates to discuss the remedial alternatives for the revised Feasibility Study report.	April 16, 2020
Honeywell provided responses to USEPA's additional comments and questions on the revised Pilot Study approach.	April 16, 2020
USEPA provided a revised agenda to Honeywell for the meeting that was held on April 16 to discuss components of the revised Feasibility Study report.	April 15, 2020
Honeywell provided a letter to USEPA in response to the request for clarification regarding the future redevelopment at OU1 and OU2 remedy implementation.	April 15, 2020
Honeywell submitted additional flood hazard analysis results to New Jersey Department of Environmental Protection (NJDEP) to support the revised Feasibility Study report.	April 7, 2020
USEPA submitted a letter to Honeywell requesting written clarification with regards to future redevelopment at OU1 and OU2 remedy implementation.	April 3, 2020

Milestone	Date Completed
USEPA submitted comments and questions on the revised Pilot Study approach to Honeywell.	April 2, 2020
USEPA provided a meeting agenda and invitation for the April 16 meeting regarding agency comments on the draft Feasibility Study Report.	March 31, 2020
USEPA indicated there were no comments on the Summary of Findings, Bathymetric and LiDAR surveys for the Quanta Site. It was noted that the results should be compared to the findings of the previous bathymetric study and discussed in the revised Feasibility Study Report.	March 31, 2020
Honeywell submitted a revised outline for the Pilot Study Work Plan to USEPA.	March 17, 2020
NJDEP provided clarification to USEPA and Honeywell regarding Specific Comment 25 that addresses the consideration of the proposed sheet pile wall as fill.	March 5, 2020
USEPA and Honeywell coordinated on March 3 and 4 to select the date of April 16 for a follow up discussion regarding agency comments on the draft Feasibility Study Report. Honeywell provided a list of participants to USEPA.	March 4, 2020
USEPA sent a request to Honeywell to submit a revised outline for the Pilot Study Work Plan by March 17.	March 3, 2020
Honeywell provided the draft slides for the February 27 meeting to USEPA.	February 27, 2020
USEPA, NJDEP and Honeywell participated in a meeting to discuss agency comments on the Draft Feasibility Study Report and the outline for the Pilot Study Work Plan.	February 27, 2020
NJDEP, USEPA, and Honeywell participated in a conference call to discuss DEP's Flood Hazard comments on the draft Feasibility Study Report.	February 26, 2020
USEPA submitted a revised agenda to Honeywell for the February 27 meeting.	February 26, 2020
USEPA requested a list of specific comments to review in advance of the February 27 meeting. Honeywell responded and noted that the content of the comments will be discussed at the meeting and also provided a copy of the Summary of Inconsistencies and Request for Clarifications document that was previously submitted to the agency.	February 25, 2020
USEPA provided comments to Honeywell on the outline for the Pilot Study Work Plan.	February 24, 2020
Honeywell provided supplemental meeting agenda elements for the February 27 meeting to USEPA.	February 21, 2020
Honeywell submitted a draft Bathymetric and Structure Survey Report with supplemental electronic files to USEPA.	February 21, 2020
USEPA provided an invite for the February 27 meeting and included a meeting agenda.	February 20, 2020
Honeywell submitted an outline for the Pilot Study Work Plan to USEPA.	February 14, 2020
New Jersey DEP (NJDEP) submitted a request for a call with Honeywell and USEPA to review DEP's Flood Hazard comments on the draft Feasibility Study Report.	February 13, 2020
Honeywell notified USEPA that the Bathymetric and Structure Summary Report would be submitted by February 21.	February 13, 2020
USEPA submitted a request for an outline of the Pilot Study Work Plan.	February 5, 2020
Honeywell provided a copy of the February 3 meeting slides to USEPA.	February 4, 2020
USEPA and Honeywell participated in a meeting to discuss USEPA's comments on the Draft Feasibility Study Report.	February 3, 2020
USEPA submitted a revised agenda to Honeywell for the initial meeting	January 30, 2020

Milestone	Date Completed
Honeywell confirmed the initial meeting date, provided a draft agenda, included a summary of items regarding clarification on inconsistencies with the draft FS comments and also suggested topics and options for subsequent meeting dates.	January 14, 2020
USEPA selected February 3, 2020 as the date for the first meeting to discuss the comments associated with the draft FS report.	January 9, 2020
Honeywell submitted potential meeting dates and a draft agenda to discuss USEPA's comments on the draft Feasibility Study (FS) Report. Honeywell also requested an extension of the January 13, 2020 deadline for the revised draft FS report so the comments can be discussed prior to defining a schedule for submittal of response to comments and a revised FS.	January 8, 2020
Aqua Survey completed the data collection for the structure survey portion of the bathymetric and structure survey program.	January 2, 2020
USEPA noted a submittal date of February 14, 2020 for the bathymetric and structural survey summary report.	December 17, 2019
USEPA provided comments on the draft Feasibility Study Report.	December 13, 2019
Honeywell provided the emissions model files to USEPA.	November 20 and 21, 2019
USEPA requested the input and output files for the emissions model that was used for Appendix H of the Draft FS report.	November 13, 2019
The structure survey was started by Aqua Surveys.	November 7, 2019
The bathymetric survey was completed by Aqua Surveys.	November 4, 2019
The bathymetric survey was started by Aqua Surveys.	October 30, 2019
USEPA informed Honeywell they were suspending the Feasibility Study presentation requirement specified in paragraph 44 of the Consent Order.	October 3, 2019
USEPA confirmed receipt of the draft Feasibility Study Report and noted comments would be provided in November after which time a meeting would be held to discuss the comments.	October 2, 2019
Honeywell submitted the draft Feasibility Study Report to USEPA.	September 30, 2019
Honeywell submitted a response to comments and revised Bathymetric and Structure Survey Work Plan to USEPA.	September 30, 2019
USEPA provided comments on the Bathymetric and Structure Survey Work Plan to Honeywell.	September 12, 2019
USEPA requested that Honeywell increase the frequency of boom replacement within OU2 from every three weeks to a minimum of every two weeks. Honeywell confirmed receipt of the request and noted that absorbent booms will be replaced every two weeks through October, at which time the replacement frequency will be revisited.	September 6, 2019
Honeywell submitted a draft Bathymetric and Structure Survey Work Plan to USEPA for review on August 29.	August 29, 2019
USEPA provided a summarized assessment of the ISS results on August 22 and approved the ISS Treatability Study Report.	August 22, 2019
USEPA requested that Honeywell replace the inner boom and add an additional boom to address a reported observation of heavy sheen on August 13. Honeywell responded on August 13 to USEPA's request by confirming the sheen was not escaping to the Hudson River and deployed additional booms on August 14.	August 14, 2019

Milestone	Date Completed
Honeywell submitted the revised ISS Treatability Study Report and sixth round of responses to comments to USEPA on August 2.	August 2, 2019
A conference call was conducted with Honeywell and USEPA on August 1 to discuss comment responses for the ISS Treatability Study Report.	August 1, 2019
Honeywell submitted the revised ISS Treatability Study Report and the fifth round of responses to USEPA comments.	July 29, 2019
USEPA confirmed in an e-mail, the July 16 meeting has fulfilled the requirements for Task VIII of the Consent Order.	July 22, 2019
USEPA provided comments related to the content of the slides to inform development of the Draft FS.	July 22, 2019
Honeywell submitted copies of revised slides from the July 16 meeting to USEPA. USEPA provided comments related to the content of the slides to inform development of the Draft FS.	July 18, 2019
USEPA approved the Supplemental RI report, which meets the requirements of Task VII of the Consent Order.	July 17, 2019
USEPA agreed during the July 16 meeting to a September 30 due date for the draft FS Report and that the development and screening of the Remedial Alternative Technical Memorandum noted in the Consent Order will not be required.	July 16, 2019
Honeywell and USEPA met to discuss the screening and compilation of remedial alternatives to be included in the draft Feasibility Study Report. Draft slides for the meeting were provided to USEPA in advance of the meeting. USEPA confirmed the July 16 meeting has fulfilled the requirements for Task VIII of the Consent Order.	July 16, 2019
USEPA submitted a fifth round of comments on the revised ISS Treatability Study Report to USEPA.	July 15, 2019
Honeywell submitted the final Supplemental RI Report to USEPA.	July 15, 2019
USEPA submitted a final round of comments on the revised Supplemental RI Report and Executive Summary.	July 12, 2019
Honeywell submitted a revised Supplemental RI Report to USEPA.	July 8, 2019
On July 3 USEPA responded to Honeywell's June 14 email comments regarding Zone A Mapping, project schedule, Consent Order language, ISS Treatability Study Report, and the Supplemental R) Report.	July 3, 2019
Honeywell submitted the revised ISS Treatability Study Report and the fourth round of responses to USEPA.	July 2, 2019
USEPA submitted a third round of comments on the Revised Treatability Study Report with a request to receive a revised report by July 2.	June 17, 2019
Honeywell provided responses to the USEPA comments on the content of the June 4 meeting slides.	June 14, 2019
USEPA requested an updated schedule on the submittal of the Supplemental Remedial Investigation report.	June 10, 2019
USEPA provided comments on the content of the slides and submitted three figures outlining their interpretation of mobile NAPL at the site. These maps included evaluations of data in the 0-5 ft and 0-10 ft depth intervals.	June 10, 2019
Honeywell submitted copies of slides from the June 4, 2019 meeting to USEPA.	June 7, 2019
Honeywell submitted a third version of the Revised Treatability Study Report to USEPA.	May 31, 2019

Milestone	Date Completed
Honeywell and USEPA agreed to hold a meeting on June 4 to discuss the maps of mobile NAPL that were submitted by USEPA on May 1. USEPA submitted draft presentation slides to Honeywell for this meeting.	May 31, 2019
USEPA submitted comments on the draft Executive Summary for the Supplemental RI Report.	May 23, 2019
Honeywell submitted a response to the second round of USEPA comments on the revised Treatability Study Report.	May 10, 2019
USEPA submitted three figures to Honeywell outlining their interpretation of mobile NAPL at the OU2 site. These maps included evaluations of data in the 0-5 ft and 0-10 ft depth intervals.	May 1, 2019
Following supplemental discussion, USEPA submitted an email on April 16, 2019 stating that the approved 2014 RI Report would not be revised and data collection efforts post RI would be documented in a Supplemental RI Report. Honeywell submitted a draft Executive Summary for the Supplemental RI Report.	May 1, 2019
USEPA submitted a second round of comments on the revised Treatability Study Report to Honeywell.	April 30, 2019
Following supplemental discussion, USEPA submitted an email stating that the approved 2014 RI Report would not be revised and data collection efforts post RI would be documented in a Supplemental RI Report. This document will be finalized following completion of the Final Probing Study by USEPA.	April 16, 2019
Based on a request from USEPA, Honeywell submitted supplemental information related to the approved 2014 Remedial Investigation (RI) Report.	April 8, 2019
Honeywell submitted the Draft Treatability Study Report to USEPA.	March 29, 2019
USEPA sent an email to Honeywell regarding the completion of the Probing Investigation Field Report from 2017. Following several email exchanges and conversations regarding the last discussions regarding the document, USEPA noted they would be amending and finalizing the report.	March 27, 2019
USEPA approved the Supplemental NAPL Investigation Report.	March 27, 2019
Honeywell provided a revised version of the Supplemental NAPL Investigation Report to USEPA.	March 22, 2019
USEPA provided a fourth set of comments to Honeywell on the Supplemental NAPL Investigation Report.	March 21, 2019
Honeywell submitted supplemental information regarding background data collection from the RI and risk assessments to USEPA.	March 19, 2019
Honeywell submitted a revised version of the Supplemental NAPL Investigation Report to USEPA.	March 18, 2019
A meeting was held at USEPA offices regarding the treatability test results, considerations for remedial technologies, and schedule.	March 13, 2019
Honeywell submitted an additional version of the project schedule to USEPA.	March 12, 2019
Honeywell submitted a draft set of presentation slides related to the Treatability Study results to USEPA.	March 11, 2019
A conference call was held with Honeywell and USEPA regarding the third set of comments on the draft Supplemental NAPL Investigation Report.	March 4, 2019
USEPA submitted a third set of comments on the draft Supplemental NAPL Investigation Report to Honeywell.	February 27, 2019

Milestone	Date Completed
Honeywell submitted two variations of the project schedule to support discussions with USEPA during the March meeting.	February 27, 2019
Honeywell submitted the data and initial summary of the treatability study results to USEPA.	February 25, 2019
USEPA submitted additional comments and requests for supplemental information regarding background concentrations regarding the approved risk assessments.	February 25, 2019
Honeywell submitted supplemental information including historical figures to USEPA regarding the approved PRG memo and risk assessments.	February 19, 2019
USEPA submitted a series of supplemental comments regarding the approved PRG memo and risk assessments.	February 7, 2019
Honeywell submitted revised responses to comments to USEPA regarding the Treatability Study report.	January 16, 2019
USEPA submitted additional comments on the revised draft Supplemental NAPL Investigation Report to Honeywell in late November. Honeywell submitted a response to comments document and revised Supplemental NAPL Investigation Report to USEPA.	December 26, 2018
USEPA submitted supplemental comments to Honeywell on the responses to comments file associated with the draft version of the Treatability Study Report.	December 20, 2018
A conference call was held with EPA's team on December 13 to review the previous agreements associated with risk evaluations and PRGs for the site. EPA submitted a series of questions/clarifications on December 17. Honeywell responded with supplemental documentation and clarification.	December 21, 2018
USEPA submitted additional comments on the revised draft Supplemental NAPL Investigation Report to Honeywell.	November 27, 2018
A meeting on the potential ISS Pilot Study for OU2 sediments was held between USEPA and Honeywell in New York.	November 20, 2018
Honeywell submitted the final slides from the OU2 ISS Pilot Study meeting and responses to USEPA's comments on the draft ISS Treatability Study Report.	November 20, 2018
Honeywell submitted draft presentation slides to USEPA for the OU2 ISS Pilot Study meeting on November 13.	November 13, 2018
Honeywell submitted responses to USEPA comments and a redline version of the revised draft Supplemental NAPL Investigation Report.	November 7, 2018
USEPA submitted comments on the draft version of the ISS Treatability Study Report to Honeywell.	November 6, 2018
Honeywell submitted a draft agenda to USEPA for the November 20th Pilot Study meeting.	October 30, 2018
Honeywell, NJDEP and USEPA participated in a meeting at NJDEP offices in Trenton to discuss initial permitting considerations for the OU2 remediation program.	October 29, 2018
As a follow up to a request from USEPA, Honeywell submitted a statement of qualifications package for the contractor completing the work for OU1 that may be used for elements of the OU2 program.	October 22, 2018
As a follow up to the discussions with the USEPA team on September 19 regarding the initial leachability results from the treatability study, Honeywell submitted a summary of the proposed screening work. These activities will be completed to provide an additional information regarding the comparison of leachability of treated and untreated sediments from OU2 and inform the next steps for determining appropriate mix designs.	October 18, 2018

Milestone	Date Completed
Honeywell provided a series of potential dates for a meeting to discuss an ISS Pilot Study for OU2. The meeting is scheduled to be held in New York at USEPA offices on November 20.	October 15, 2018
Honeywell submitted the draft Supplemental NAPL Investigation Report to USEPA.	September 21, 2018
A conference call was held with USEPA to discuss some of the initial results of the ISS Treatability Study.	September 19, 2018
Honeywell submitted the draft data set for the ISS Treatability Study to USEPA.	September 18, 2018
As a follow-up to the submittal of draft responses to comments on the draft EE/CA, a conference call was held with USEPA and NJDEP to discuss the responses.	August 23, 2018
USEPA submitted comments on the outline for the draft Supplemental NAPL Investigation Report.	August 22, 2018
Honeywell submitted the outline for the draft Supplemental NAPL Investigation Report to USEPA.	August 20, 2018
Honeywell submitted a draft set of response to comments to USEPA on the draft EE/CA.	August 13, 2018
Honeywell and USEPA participated in a meeting to discuss the path forward to address current challenges with emissions and odors for OU1 implementation and the OU2 considerations for the OU2 remedy.	July 26, 2018
As a follow-up to a request by USEPA, Honeywell submitted a series of supplemental mobility plots to USEPA. An updated set of meeting slides from the June 28 meeting were also provided that included a series of modifications adjusted to account for input provided by the NJDEP and USEPA.	July 24, 2018
As a follow up to the discussions at the June 28 meeting, Honeywell submitted a revised set of cross sections.	July 12, 2018
Honeywell submitted the final meeting slides from the June 28 meeting and supplemental analyses related to the multiple lines of evidence approach.	July 6, 2018
Honeywell, USEPA and NJDEP participated in a meeting to discuss the evaluation of the supplemental data and next steps for the discussions regarding the Early Action.	June 28, 2018
As a follow up to the request for information by USEPA on June 4, Honeywell submitted additional materials for the June 28 meeting to further discuss the supplemental data collection program.	June 14, 2018
As a follow up to the request for information by USEPA on June 6, Honeywell submitted additional materials for the June 28 meeting to further discuss the supplemental data collection program.	June 13, 2018
Honeywell submitted a draft version of presentation materials to USEPA and NJDEP to support future discussions regarding the supplemental data collection program.	June 1, 2018
Honeywell and USEPA finalized the Early Action amendment to the Consent Order.	May 29, 2018
USEPA submitted comments on the draft EE/CA to Honeywell.	May 24, 2018
Honeywell submitted the final set of slides from the May 21 st meeting to USEPA along with additional reference materials associated with the NAPL mobility analysis.	May 23, 2018
Honeywell submitted the signed version of the Early Action amendment for the Consent Order to USEPA.	May 22, 2018
Honeywell, USEPA and NJDEP participated in a meeting to discuss the evaluation of the supplemental data and next steps for the discussions regarding the Early Action.	May 21, 2018

Milestone	Date Completed
Honeywell submitted a draft version of the presentation materials for the May 21 st meeting with USEPA and NJDEP.	May 16, 2018
Honeywell submitted a draft version of the results of the NAPL mobility testing.	May 3, 2018
Honeywell submitted the validated PAH chemistry data for the sediment samples within OU2. A supplemental figure was also submitted the final core locations from the supplemental sampling program.	April 30, 2018
Honeywell submitted the updated core summary spreadsheet to HDR on March 28 th and resent to USEPA.	April 11, 2018
Honeywell submitted notifications to USEPA regarding updates to the core collection and processing program associated with additional step out locations.	March 2, 5, 6, 9, 21, 22, 28 and 29, 2018
Honeywell submitted a draft EE/CA to USEPA to support the advancement of the OU2 Early Action.	March 20, 2018
Honeywell submitted proposed sample intervals for the final set of NAPL mobility testing to USEPA. A conference call was held with USEPA on March 22 nd to discuss the final set of mobility testing intervals.	March 21 and 22, 2018
Honeywell submitted notifications to USEPA regarding updates to the core collection and processing program.	February 19, 20, 22, 27, 28, 2018
Honeywell submitted a revised summary table of the intervals selected for NAPL mobility and modifications to the work plan.	February 14, 2018
Based on a request by USEPA, Honeywell submitted specifications on the Lexan polycarbonate core tubes that are being used for the OU2 investigation.	February 12, 2018
Honeywell submitted the sample intervals for the second phase of NAPL mobility testing to USEPA.	February 9, 2018
Honeywell submitted the sample intervals for the first phase of NAPL mobility testing to USEPA.	January 29, 2018
Honeywell submitted the draft project schedule and proposed durations for USEPA review of project deliverables	January 24, 2018
USEPA approved revised version of the QAPP	January 22, 2018
Honeywell began the supplemental sampling program	January 20, 2018
USEPA submitted comments on the draft FFS outline to Honeywell	January 18, 2018
Honeywell submitted a revised version of the QAPP to USEPA	January 15, 2018
Honeywell submitted a draft agenda for a conference call that was held with USEPA on January 16 th to discuss the draft FFS outline and the project schedule	January 10, 2018
Honeywell submitted revised versions of the Supplemental NAPL characterization work plan and QAPP to USEPA on December 15 th for final approval. Both were approved by USEPA on December 15 th	December 15, 2017
Honeywell submitted a draft outline for the FFS to USEPA	December 13, 2017
Honeywell submitted a revised Supplemental NAPL Characterization Work Plan, response to comments, and revised QAPP to USEPA	December 10, 2017
Provided supplemental reference for NAPL mobility testing procedures	November 14, 2017
Responded to USEPA comments on NAPL mobility testing procedures	November 10, 2017
Received comments from USEPA on the Supplemental NAPL Characterization Work Plan	October 31, 2017
Received comments from USEPA on the Water Flood testing SOP	October 11, 2017

Milestone	Date Completed
Submitted to USEPA responses to comments and the revised Supplemental NAPL Characterization Work Plan	October 6, 2017
Received comments from USEPA on the Supplemental NAPL Characterization Work Plan	September 20, 2017
Received approval of the QAPP from USEPA	September 18, 2017
Submitted to USEPA responses to comments and the revised QAPP	September 7, 2017
Submitted to USEPA the Supplemental NAPL Characterization Work Plan	September 1, 2017
Received comments from USEPA regarding the QAPP	August 23, 2017
Submitted to USEPA a summary of the ISS Treatability Study field activities	August 17, 2017
Submitted to USEPA an updated Quality Assurance Project Plan (QAPP) for the Treatability Study at the request of USEPA	August 1, 2017
Submitted to USEPA an addendum to the Quality Assurance Project Plan	July 25, 2017
Submitted to USEPA the revised ISS Treatability Sampling Work Plan as per USEPA July 17, 2017 approval	July 25, 2017
Submitted to USEPA the schedule for the ISS Bench Scale Treatability Sampling and Testing	July 15, 2017
Received approval for the revised ISS Bench Scale Treatability Work Plan	July 6, 2017
Submitted to USEPA the revised ISS Bench Scale Treatability Work Plan	June 29, 2017
Submitted to USEPA responses to the April 11, 2017 comments regarding the evaluation of the Sediment Probing Field Investigation results and the Pre-Feasibility Study Investigation 2016: Sediment Coring (Figure and DQO Table) for further delineation of remedy zone uncertainty zones	June 28, 2017
Received comments from USEPA regarding the responses to comments on the revised ISS Bench Scale Treatability Study Work Plan	June 15, 2017
Submitted to USEPA responses to comments on the revised ISS Bench Scale Treatability Work Plan	June 5, 2017
Received comments from USEPA regarding the revised ISS Bench Scale Treatability Study Work Plan	May 8, 2017
Submitted to USEPA the revised ISS Treatability Sampling Work Plan following call with USEPA	April 21, 2017
Submitted to USEPA the revised ISS Treatability Sampling Work Plan	April 21, 2017
Received comments from USEPA regarding ISS Treatability Sampling Work Plan	April 4, 2017
Submitted to USEPA responses to the March 10, 2017 comments on the ISS Bench Scale Treatability Study Work Plan and a revised Work Plan	April 19, 2017
Received comments from USEPA regarding the responses to comments on the Pre-Feasibility Study Investigation 2016: Sediment Coring (Figure and DQO Table) and Sediment Probing Field Investigation Report	April 11, 2017
Submitted to USEPA responses to comments on the revised Non-Time Critical Removal Action Area Treatability Sample Collection Work Plan and a revised Work Plan	March 22, 2017
Submitted to USEPA remaining responses to the July 21, 2016 comments on the July 1, 2016 Action Items submittal	March 20, 2017
Received comments from USEPA regarding the ISS Bench Scale Treatability Study Work Plan	March 10, 2017

Milestone	Date Completed
Received comments from USEPA regarding the revised Non-Time Critical Removal Action Area Treatability Sample Collection Work Plan	March 9, 2017
Submitted to USEPA responses to December 7, 2016 comments on the ISS Field Collection and Bench Testing Work Plan	February 7, 2017
Submitted to USEPA responses to September 29, 2016 comments on the Pre-Feasibility Study Investigation 2016: Sediment Coring (Figure and DQO Table) and Sediment Probing Field Investigation Report	February 7, 2017
Submitted to USEPA the revised Non-Time Critical Removal Action Area Treatability Sample Collection Work Plan	December 15, 2016
Received comments from USEPA regarding the revised Non-Time Critical Removal Action Area Treatability Sample Collection Work Plan	December 15, 2016
Submitted to USEPA the revised Non-Time Critical Removal Action Area Treatability Sample Collection Work Plan	December 15, 2016
Received comments from USEPA regarding the revised Non-Time Critical Removal Action Area Treatability Sample Collection Work Plan	December 14, 2016
Submitted to USEPA the revised Non-Time Critical Removal Action Area Treatability Sample Collection Work Plan	December 11, 2016
Received comments from USEPA regarding the Zone A Field Collection and Bench Testing Work Plan	December 7, 2016
Submitted to USEPA the Zone A Field Collection and Bench Testing Work Plan	November 10, 2016
Submitted to USEPA the Probing Investigation Field Report	September 13, 2016
Sediment probing work plan submitted and approved	July 28, 2016
Received comments on July 1, 2016 submittal	July 21, 2016
Submitted to USEPA information addressing action items identified at the June 6, 2016 meeting with USEPA and USACE to discuss the remedy zones	July 1, 2016
FS meeting with USEPA and USACE to discuss the proposed Remedial Zones to be used in the Feasibility Study	June 6, 2016
Received comments from USEPA regarding the requested Risk Based Remedial Zones approach to mapping remedial zones	May 20, 2016
Submitted to USEPA proposed approach to mapping remedial zones based on previously approved data and risk assessments	March 3, 2016, and revised PDF March 9, 2016
Submitted to USEPA notification of Honeywell Designated Project Coordinator	March 3, 2016
Submitted to USEPA notification of project manager change	February 10, 2016
Received response from USEPA regarding the NAPL delineation	January 5, 2016
Submitted letter in response to USEPA comments on June 2015, with supporting documentation	December 2, 2015, and December 8, 2015
Received comments on June 2015 submittal	November 19, 2015
Submitted supporting information regarding the evaluation of remedial investigation and pre-feasibility study field data for the development of the FS	June 30, 2015
Submitted analysis for the hydrodynamic model as requested by USEPA	January 15, 2015
Submitted a response to USEPA's December 29, 2014 letter regarding a change in a figure from the July 2014 approved RI Report.	January 14, 2015

Milestone	Date Completed
Received request for July 2014 approved RI Report figure revision	December 29, 2014
Received comments on the Revised Hydrodynamic Modeling and Erodibility Analysis	December 1, 2014
Submitted revised Pre-FS Hydrodynamic Modeling and Erodibility Analysis	November 14, 2014
Submitted revised Pre-FS NAPL Characterization and Mobility Assessment	November 7, 2014
Received comments on the Revised Hydrodynamic Modeling and Erodibility Analysis	October 23, 2014
Received confirmation from USEPA of acceptance of the Revised Pre-FS Geotechnical Sediment Evaluation	October 22, 2014
Submitted Revised Pre-FS Geotechnical Sediment Evaluation	October 10, 2014
Submitted revised Pre-FS Hydrodynamic Modeling and Erodibility Analysis	October 3, 2014
Received comments from USEPA on the Pre-FS NAPL Characterization and Mobility Assessment	September 16, 2014
Received comments from USEPA on the Pre-FS Hydrodynamic Modeling and Erodibility Analysis	September 12, 2014
Received comments from USEPA on the Pre-FS Geotechnical Sediment Evaluation	September 11, 2014
Submitted Pre-FS study results and hydrodynamic modeling results to USEPA	July 25, 2014
Received approval from USEPA for the OU2 Remedial Investigation Report	July 15, 2014
Provided final revisions to the OU2 RI Report to USEPA	July 11, 2014
Presented preliminary remedy alternatives and screening results to USEPA	July 1, 2014
Received approval from USEPA for the OU2 Preliminary Remediation Goals Technical Memorandum.	May 29, 2014
Received approval from USEPA for the OU2 Candidate Technologies Technical Memorandum	May 15, 2014
Submitted revised final RI Report to USEPA	April 23, 2014
Submitted revised technical memorandum summarizing proposed human health and ecological based preliminary remediation goals for sediments.	April 22, 2014
Received comments from USEPA on the technical memorandum summarizing proposed human health and ecological based preliminary remediation goals for sediments.	April 2, 2014
Submitted a technical memorandum to USEPA describing a remedy framework for OU2	March 31, 2014
Submitted responses to USEPA comments on final RI Report revisions	March 26, 2014
Submitted to USEPA the technical memorandum summarizing proposed human health and ecological based preliminary remediation goals for sediments.	March 12, 2014
Received comments from USEPA related to the revisions to the final RI Report.	March 5, 2014
Submitted to USEPA responses to comments on revised Final RI Report	February 3, 2014
Received comments from USEPA on 2006 forensics study	January 17, 2014
Submitted to USEPA responses to comments on North Area data summary Technical Memorandum	October 21, 2013
Received comments from USEPA on North Area data summary Technical Memorandum	September 9, 2013
Submitted to USEPA Quality Assurance Project Plan Addendum for the Pre- Feasibility Study Supplemental Field Investigation Work Plan	July 24, 2013
Submitted to USEPA documentation of sediment data collected near former Lustrelon and Celotex sites	May 31, 2013

Milestone	Date Completed
Received additional comments from USEPA on the revised Pre- Feasibility Study Supplemental Field Investigation Work Plan	May 30, 2013
Submitted to USEPA revised Pre- Feasibility Study Supplemental Field Investigation Work Plan	May 10, 2013
Submitted to USEPA background documentation for the baseline human health risk assessment	May 8, 2013
Received comments from USEPA on the revised Pre- Feasibility Study Supplemental Field Investigation Work Plan	April 25, 2013
Submitted to USEPA revised Pre- Feasibility Study Supplemental Field Investigation Work Plan	April 15, 2013
Received comments from USEPA on the revised Final RI Report	April 11, 2013
Received comments from USEPA on the revised Final Technical Memorandum: Identification of Candidate Technologies	April 8, 2013 April 25, 2013
Submitted to USEPA responses to USEPA comments on the Final Technical Memorandum: Identification of Candidate Technologies	March 15, 2013
RI/FS Meeting with USEPA to discuss RI Report comments and FS scoping	March 12, 2013
Submitted to USEPA response to USEPA comments on the revised Final RI Report	February 25, 2013
Submitted to revised Pre- Feasibility Study Supplemental Field Investigation Work Plan	February 21, 2013
Submitted to USEPA response to USEPA comments on the Pre- Feasibility Study Supplemental Field Investigation Work Plan	February 21, 2013
Submitted to USEPA additional technical appendix to the Draft Final RI Report	January 17, 2013
Submitted to USEPA the revised draft Final Technical Memorandum: Identification of Candidate Technologies	December 19, 2012
Submitted to USEPA revisions to the Draft Final RI Report with BERA and HHRA	November 9, 2012
Submitted to USEPA revised draft schedule for feasibility study preparation	October 22, 2012
Submitted to USEPA the response to USEPA comments on the Draft Final RI Report, BERA and HHRA	August 6, 2012
RI Meeting with USEPA to discuss human health risk assessment	June 14, 2012
RI Meetings with USEPA, NJDEP and BTAG to discuss RI Report and baseline risk assessment comments	June 8, 2012, and May 31, 2012
Received USEPA comment letter on the Draft Final RI Report, BERA and HHRA	April 19, 2012
Submitted to USEPA the draft Final Technical Memorandum: Identification of Candidate Technologies	November 14, 2011
Submitted to USEPA the Pre- Feasibility Study Supplemental Field Investigation Work Plan	October 18, 2011
Submitted to USEPA draft schedule for feasibility study preparation	October 12, 2011
Submitted to USEPA notification of planned field activities	October 6, 2011
Submitted to USEPA notification of project manager change	September 1, 2011
Submitted to USEPA the Draft Final RI Report with BERA and HHRA	August 29, 2011
Received USEPA approval on the Final BERA Work Plan	December 8, 2008
Received USEPA approval on the Field Sampling Plan for BERA fieldwork	December 8, 2008
Received USEPA approval on the Quality Assurance Plan Addendum for BERA fieldwork	December 8, 2008

Milestone	Date Completed
Submitted to USEPA the Trip Report for BERA and Sediment Stability fieldwork	November 25, 2008
Submitted to USEPA and BTAG member the Final BERA Work Plan	November 20, 2008
Submitted to USEPA and BTAG members the Field Sampling Plan for BERA fieldwork	November 20, 2008
Submitted to USEPA and BTAG members the Quality Assurance Plan Addendum for BERA fieldwork	November 20, 2008
Submitted to USEPA Sediment Stability Work Plan Addendum	October 14, 2008
Submitted to USEPA the OU2 BERA Work Plan Response to Comments, Second Set	September 29, 2008
Submitted to USEPA the OU2 BERA Work Plan Response to Comments	August 18, 2008
Submitted to USEPA the Sediment Stability Work Plan	August 1, 2008
Submitted to USEPA the Draft Addendum to the Baseline Ecological Risk Assessment Work Plan for OU2 of the Quanta Resources Site	July 22, 2008
Submitted to USEPA the Draft Baseline Ecological Risk Assessment Work Plan for OU2 of the Quanta Resources Site	July 11, 2008
Submitted to attendees (see above) from May 22, 2008 meeting the following items (table listing action items, revised maps, and screening tables)	June 25, 2008
BERA meeting with USEPA, NJDEP and National Oceanic and Atmospheric Administration (NOAA)	May 22, 2008
Submitted Draft Candidate Reference Locations for Operable Unit 2 Baseline Risk Assessments memorandum to USEPA	September 19, 2007
Submitted Draft PSR to USEPA, NJDEP, and USEPA Region II BTAG	July 23, 2007
Presented PSR to USEPA, NJDEP, and USEPA Region II BTAG	June 7, 2007
Submitted letter to USEPA responding to comments on Fingerprinting Work Plan Addendum	November 21, 2006
Submitted a letter to USEPA documenting the condition of the absorbent boom during the investigation activities	November 6, 2006
Received comments from USEPA on Work Plan Addendum for Fingerprinting	October 20, 2006
Submitted the Work Plan Addendum for PAH Fingerprinting to USEPA	September 22, 2006
Submitted Revised OU2 RI Work Plan, FSP, QAPP and HASP to USEPA	August 31, 2006
Submitted DQO resolution table to USEPA	July 17, 2006
Meeting with USEPA, NJDEP, BTAG members, and CDM to resolve remaining DQO issues and comments and finalize a scope for the OU2 RI/FS Work Plan	July 13, 2006
Response to June 6, 2006 USEPA Comment Letter on draft DQOs	June 16, 2006
USEPA Comment letter on draft DQOs	June 6, 2006
Response to March 31, 2006 USEPA Comment Letter on RI/FS Work Plan	May 25, 2006
Meeting with USEPA and BTAG to discuss Data Quality Objectives (DQOs)	May 2, 2006
USEPA Comment letter on RI/FS Work Plan & Technical Memoranda	March 31, 2006
Honeywell Response to USEPA Item #25	June 9, 2005
Honeywell Response to USEPA Items #20, 21, 22, and 24	January 13, 2005
Honeywell Response to USEPA Items #19 and 23	December 23, 2004
Honeywell List of 26 Items and Internal Submittals	December 7, 2004
Honeywell Response to USEPA Comments on RI/FS Work Plan	September 10, 2004

Milestone	Date Completed
USEPA Comment letter on RI/FS Work Plan	June 30, 2004
Submitted RI/FS Work Plan for OU2 (including FSP, QAPP, and HSP)	January 19, 2004
Qualifications of Personnel	December 19, 2003
Signs and Security Plan, November 2003	November 24, 2003
AOC and SOW, OU2 received	November 4, 2003
Notification to USEPA of Honeywell Designated Project Coordinator	November 4, 2003