



CH2M HILL
25 New Chardon Street
Suite 300
Boston, MA 02120
Tel 617.523.2002
Fax 617.723.9036

March 11, 2010

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 Superfund Site, Operable Unit 1 (OU1)
Edgewater, New Jersey
Progress Report - February 2010**

Dear Mr. Ho:

This letter is the progress report required pursuant to the U.S. Environmental Protection Agency (USEPA) Administrative Order on Consent (AOC) for the Remedial Investigation and Feasibility Study (RI/FS) at OU1 (Index Number II-CERCLA-2003-2012, Item 53).

Activities Completed This Reporting Period

The following activities were completed during this reporting period as part of continued implementation of the OU1 RI/FS Work Plan.

Remedial Investigation (RI)

- Continued responses to USEPA comments to finalize SRI Report and HHRA documents.

Vapor Intrusion

- Submitted the response to comments document with the revised technical memorandums for the 2009 air sampling to the USEPA and NJDEP for 115 River Road, 163 Old River Road and 103 River Road on February 23, 2010.
- Submitted the draft work plans to USEPA and NJDEP for the 2010 vapor intrusion monitoring events at 115 River Road, 163 Old River Road and 103 River Road on February 23, 2010.
- Received initial comments from USEPA in regards to the 2010 vapor intrusion draft work plans on February 23, 2010. Responded to USEPA comments on March 4 and March 8, 2010.

Feasibility Study

- Continued responses to USEPA comments received on January 29, 2010 in regards to FS Sections 4.3.3 and 4.3.4.

Mr. Richard Ho

March 11, 2010

Page 2

- Prepared talking points for USEPA to support USEPA Management briefing the week of February 14, 2010.

Site Security

- Conducted monthly site security and boom inspections on February 25.

Stakeholder Communication

- Attended meeting with USEPA, ESAG, and Honeywell in regards to the Draft Construction Impact Mitigation Plan and discussion on Draft OU1 FS on February 1.
- Submitted monthly update for January 2010 to QCAGE on February 10.
- The monthly progress report (PR) for January 2010 was submitted to USEPA on February 10.

Activities Planned for Next Reporting Period

- Continue response to USEPA comments on SRI Report and HHRA documents.
- Submit OU1 SRI Groundwater Report associated with sampling event #2 to USEPA and NJDEP.
- Submit Draft TI Waiver to USEPA and NJDEP.
- Complete the 2010 vapor intrusion sampling events at 115 River Road, 163 Old River Road and 103 River Road from March 11 to 19, 2010.
- Attend the USEPA Senator's conference call scheduled on March 16, 2010.
- Continue responses to USEPA comments on Draft FS.
- Help prepare information package for the Remedy Review Board as directed by USEPA.
- Conduct monthly site security and weekly Hudson River boom inspections.
- Hold Quanta status calls (and/or meetings) with USEPA, NJDEP, Honeywell, ESAG, and CH2M HILL.

Project Delays Encountered/Project Status

No project delays are anticipated at this time.

Project Milestones

| Milestone | Date Completed |
|---|---|
| Receives AOC and SOW, OU1 | Nov. 4, 2003 |
| Notifies USEPA of Honeywell-Designated Project Coordinator | Nov. 4, 2003 |
| Submits Signs and Security Plan | Nov. 24, 2003 |
| Submits qualifications of personnel | Dec. 19, 2003 |
| Submits RI/FS Work Plan for OU1 (including FSP, QAPP, and HSP) | Jan. 19, 2004 |
| Receives USEPA comment letter on Signs and Security Plan | April, 30, 2004 |
| Submits Honeywell response to comments on Signs and Security Plan | June 10, 2004 |
| Receives USEPA comment letter on RI/FS Work Plan | June 30, 2004 |
| Submits Honeywell draft response to USEPA comments on RI/FS Work Plan | Sept. 10, 2004 |
| Submits Honeywell list of 26 items and internal submittals | Dec. 7, 2004 |
| Submits Honeywell response to USEPA Items #s 1, 4, 5, 8, 12, 14, 16, and 18 | Dec. 23, 2004 |
| Submits Honeywell response to USEPA Items #s 2 and 6 | Jan. 10, 2005 |
| Submits Honeywell response to USEPA Items #s 7, 9, and 10 | Jan. 13, 2005 |
| Submits Honeywell response to USEPA Items #s 3, 11, 13, 17, and 26 | Feb. 11, 2005 |
| Submits Honeywell response to USEPA Item # 15 | April 8, 2005 |
| Receives USEPA approval of OU1 RI/FS Work Plan | May 2, 2005 |
| Submits Final RI/FS Work Plan for OU1 (including FSP, QAPP, and HSP) | May 18, 2005 |
| Notifies USEPA of Honeywell change in project coordinator | June 16, 2005 |
| Submits technical memoranda on Exposure Scenarios and Assumptions for the Ecological and the Human Health Risk Assessments | July 1, 2005 (rev. Aug. 31, 2005, and Nov. 7, 2005) |
| Submits revised QAPP | Oct. 26, 2005 |
| Submits revised schedule | Dec. 12, 2005 |
| Submits revised approach for Pathway Analysis Report (PAR) | Jan. 6, 2006 |
| Receives USEPA approval of QAPP | Jan. 11, 2006 |
| Receives USEPA approval of PAR approach (January 6, 2006) | Jan. 11, 2006 (via e-mail) |
| Submits Vapor Intrusion (VI) Evaluation Work Plan | Jan. 25, 2006 |
| Submits Draft Preliminary Site Characterization Report (PSCR) and Draft Identification of Candidate Technologies Memorandum (CTM) | Feb. 23, 2006 |
| Receives USEPA request that submittal of the Draft PAR and Draft Screening Level Ecological Risk Assessment (SLERA) be placed on hold until USEPA provides final comments on November 2005 technical memo | Feb. 24, 2006 (via e-mail) |
| Submits Draft SLERA | March 9, 2006 |

Mr. Richard Ho

March 11, 2010

Page 4

| Milestone | Date Completed |
|--|-----------------------------|
| USEPA approves VI Evaluation Work Plan | March 20, 2006 |
| Submits Final VI Evaluation Work Plan | March 29, 2006 |
| Submits letter to NJDEP regarding identification of additional data needs | April 19, 2006 |
| Submits Draft PAR | April 28, 2006 |
| Submits draft technical memorandum for VI evaluation at 115 River Road | April 28, 2006 |
| Receives USEPA Comment Letter on Draft PSCR | June 30, 2006 |
| Receives USEPA Comment Letter on Draft SLERA | July 7, 2006 |
| Receives USEPA Comment Letter on Draft PAR | July 12, 2006 |
| Receives Draft USEPA Comments on Draft Technical Memorandum for VI Evaluation at 115 River Road | July 20, 2006 (via e-mail) |
| Receives USEPA Comment Letter on Draft CTM | July 28, 2006 |
| Submits Draft OU1 RI/FS Work Plan Addendum and Response to PSCR Comments | July 28, 2006 |
| Submits Field Sampling Plan Addendum | Aug. 11, 2006 |
| Submits response to USEPA comments on Draft PAR, Draft SLERA, and Draft Technical Memorandum for VI Evaluation at 115 River Rd. | Aug. 30, 2006 |
| Receives request from USEPA to help prepare a QCAGE presentation | Aug. 30, 2006 |
| Receives comments from USEPA on Draft QAPP portion of the OU1 RI/FS Work Plan Addendum. | Sept. 1, 2006 |
| Receives e-mail request from USEPA to include additional analyses for arsenic speciation in groundwater. | Sept. 12, 2006 |
| Receives comment on the OU1 SLERA. | Sept. 14, 2006 (via e-mail) |
| Receives an e-mail request from USEPA to prepare Scope of Work for a Stage IA Cultural Resource Survey. | Sept. 19, 2006 |
| Submits response to USEPA comment on the OU1 SLERA | Sept. 21, 2006 (via e-mail) |
| Submits VI Technical Memorandum for 115 River Road | Oct. 6, 2006 |
| Submits Supplemental Groundwater Sampling Letter for Arsenic | Oct. 11, 2006 |
| Submits revised Quality Assurance Project Plan (QAPP) for OU1 | Nov. 10, 2006 |
| Submits response to Draft Candidate Technology Memorandum (CTM) comments. | Nov. 21, 2006 |
| Submits an Interim Remedial Measure (IRM) plan for select monitoring wells. Comments received from USEPA and from NJDEP in following days. | Dec. 11–13, 2006 |
| Attends meeting with USEPA and NJDEP on to present results from RI/FS investigation and supplemental TarGOST™ results. | Dec. 19, 2006 |
| Submits technical memorandum regarding the potential air exposure pathways for ambient arsenic (Nov 27 e-mail) dust. | Dec. 21, 2006 |

Mr. Richard Ho

March 11, 2010

Page 5

| Milestone | Date Completed |
|---|--------------------------|
| Submits the Draft Stage IA Cultural Resources Survey Work Plan. | Jan. 31, 2007 |
| Submits Vapor Intrusion Response to Comments (Nov. 3 and Dec. 11 e-mail from USEPA) regarding Oct. 6 submittal | Jan. 31, 2007 |
| Submits Draft Summary of the OU1 Supplemental Investigation Metals Soil Sampling and Evaluation of Cinder/Ash and Pyrite-Impacted Soils | Feb. 9, 2007 |
| Receives USEPA approval of Stage IA Cultural Resources Survey Work Plan | Feb. 14, 2007 |
| Submits technical memorandum regarding northern extent of Edgewater Enterprises property and media to be evaluated in the Human Health Risk Assessment (HHRA) | Feb. 21, 2007 |
| Receives USEPA comments on Jan. 31 Vapor Intrusion (VI) Submittal | Feb. 23, 2007 |
| Submits Proposed Scope of Work for the Evaluation of Cinder/Ash and Pyrite Cinder-Impacted Soils | Feb. 28, 2007 |
| Submits product recovery field documentation summary | March 8, 2007 |
| Receives USEPA comments on Evaluation of Cinder/Ash and Pyrite Cinder-Impacted Soils Scope of Work submitted Feb. 28 | March 8, 2007 |
| Receives NJDEP comments on Evaluation of Cinder/ Ash and Pyrite Cinder-Impacted Soils Scope of Work submitted Feb. 28 | March 20, 2007 |
| Submits revised evaluation of Cinder/ Ash and Pyrite Cinder-Impacted Soils Scope of Work | April 20, 2007 |
| Receives USEPA approval to proceed with Cinder/Ash Scope of Work. | May 4, 2007 (via e-mail) |
| Receives EPA correspondence to Borough of Edgewater regarding Reopening of Building on Block 93, Lots 1 & 2 (aka, Jono's Restaurant) | May 14, 2007 |
| Submits Stage IA Cultural Resources Survey | May 30, 2007 |
| Submits Vapor Intrusion Evaluation Site Visit at 115 River Road Building Report | July 9, 2007 |
| Meets with agencies (USEPA, NJDEP) to review the details of the Preliminary Alternatives Evaluation memorandum in support of the FS for OU1 | July 25, 2007 |
| Submits Preliminary Alternatives Memorandum for OU1 | Aug. 9, 2007 |
| Submits Characterization of Cinders and Reddish-Purple Soil data package | Aug. 10, 2007 |
| Submits Characterization of Cinder/Ash and Reddish-Purple Soils- Field Work Summary and Analytical Results Discussion | Sept. 7, 2007 |
| Submits Updated Vapor Intrusion Evaluation, 163 River Road (Former Jono's Restaurant,), Block 93, Edgewater, NJ, memorandum | Oct. 1, 2007 |
| Receives Agency comment via e-mail on the Characterization of Cinder/Ash and Reddish-Purple Soils Memorandum | Oct. 24, 2007 |
| Submits NAPL Recovery Testing Results technical memorandum | Nov. 6, 2007 |
| Submits OU1 Remedial Investigation Report to USEPA | Nov. 15, 2007 |
| Submits Draft OU1 Baseline Human Health Risk Assessment to USEPA | Nov. 15, 2007 |
| Met with USEPA to present results of OU1 RI Report | Nov. 27, 2007 |

Mr. Richard Ho

March 11, 2010

Page 6

| Milestone | Date Completed |
|---|-----------------------------|
| Receives EPA request for annual sub slab and indoor air sampling at the 115 River Road building | Dec. 5, 2007 |
| Receives NJDEP comments on October 2006 Vapor Intrusion Report for 115 River Road building via e-mail | Dec. 6, 2007 |
| Submits Vapor Intrusion Evaluation at 115 River Road Work Plan Addendum to USEPA | Jan. 25, 2008 |
| Submits response to USEPA/NJDEP comments on the October 2006 Technical Memorandum: Results from the Vapor Intrusion Evaluation at 115 River Road to USEPA | Jan. 25, 2008 |
| Submits Vapor Intrusion Evaluation at 163 Old River Road Work Plan Addendum to USEPA | Jan. 25, 2008 |
| Attends technical meeting with NJDEP, USEPA to discuss conclusions of the Draft RI Report and preliminary agency comments | Feb. 5 and 6, 2008 |
| Receives comments from USEPA on the Vapor Intrusion Evaluation at 115 River Road Work Plan Addendum | Feb. 15, 2008 (via e-mail) |
| Receives comments from USEPA on the Vapor Intrusion Evaluation at 163 Old River Road Work Plan Addendum | Feb. 27, 2008 (via e-mail) |
| Receives comments from USEPA on the Draft Remedial Investigation Report for OU1 via e-mail | April 4, 2008 (via e-mail) |
| Submits letter to USEPA regarding Draft Remedial Investigation comments received April 4, 2008 | April 17, 2008 |
| Receives comments from USEPA regarding Remedial Action Objectives and Remediation Goals for the OU1 Feasibility Study via | April 24, 2008 (via e-mail) |
| Meets with USEPA to discuss RI comments | April 28, 2008 |
| Conducts OU1 Remedy discussion meeting with USEPA, NJDEP | May 7, 2008 |
| Submits RI/FS Work Plan Addendum No. 4 to NJDEP, USEPA | May 19, 2008 |
| Submits draft Technical Impracticability Waiver outline to USEPA | June 13, 2008 |
| Meets with USEPA regarding FS alternatives | June 18, 2008 |
| Receives comments from USEPA regarding RI/FS Work Plan Addendum No. 4 via e-mail | June 19, 2008 (via e-mail) |
| Submits technical memorandum for a vapor intrusion evaluation at 115 River Road to NJDEP, USEPA | June 20, 2008 |
| Meets with USEPA regarding FS alternatives (follow-up to June 18 meeting) | June 26, 2008 |
| Holds conference call with USEPA to discuss specific alternative components | July 2, 2008 |
| Submits technical memorandum for a vapor intrusion evaluation at 163 Old River Road to NJDEP, USEPA | July 25, 2008 |
| Public Information Session presented by USEPA (topics included NAPL and Vapor Intrusion) | July 29, 2008 |
| Submits Final RI/FS Work Plan Addendum No. 4 to NJDEP, USEPA | July 31, 2008 |

Mr. Richard Ho

March 11, 2010

Page 7

| Milestone | Date Completed |
|---|-----------------------------|
| Public Information Session (topics include soil and groundwater results from the OU1 RI Report), presented by USEPA | Aug. 5, 2008 |
| Submits Final OU1 RI Report and response to comments to NJDEP, USEPA | Aug. 29, 2008 |
| Submits summary of the Technical Impracticability Waiver to USEPA | Sept. 16, 2008 |
| Submits Vapor Intrusion Evaluations Work Plans for winter 2009 heating season work at 163 Old River Road, 115 River Road, and 103 River Road on to NJDEP, USEPA | Jan. 14, 2009 |
| Receives comments from USEPA and NJDEP regarding Vapor Intrusion Evaluations Work Plans for winter 2009 heating season work at 163 Old River Road, 115 River Road, and 103 River Road | Feb. 11, 2009 |
| Submits Preliminary Draft Feasibility Study Report to USEPA | Feb. 26, 2009 |
| Meets with USEPA to discuss the Preliminary Draft Feasibility Study Report | Feb. 26, 2009 |
| Submits response to EPA/NJDEP comments regarding Vapor Intrusion Monitoring Work Plans for winter 2009 heating season work at 163 Old River Road, 115 River Road, and 103 River Road | Mar. 4, 2009 |
| Meets with USEPA and NJDEP at the site to review the proposed vapor intrusion sampling locations at 115 River Road, 163 Old River Road and 103 River Road | Mar. 5, 2009 |
| Received comments from EPA regarding the Vapor Intrusion Monitoring Work Plans submitted to EPA on Mar. 4, 2009 | Mar. 10, 2009 |
| Attends meeting with USEPA and NJDEP to present in situ stabilization/solidification technology | April 8, 2009 |
| Submits preliminary analytical data from 2009 indoor air, subslab soil gas and outdoor air sampling at 163 Old River Road to USEPA | April 13, 2009 |
| Submits preliminary analytical data from 2009 indoor air, subslab soil gas and outdoor air sampling at 115 River Road to USEPA and NJDEP | April 20, 2009 |
| Submits final Vapor Intrusion Monitoring Work Plans for winter 2009 heating season work at 163 Old River Road, 115 River Road, and 103 River Road to USEPA and NJDEP | April 21, 2009 |
| Receives USEPA comments on Technical Impracticability Waiver Draft Summary via e-mail | April 23, 2009 (via e-mail) |
| Submits SRI Interim Deliverable No.1 to USEPA and NJDEP which addresses Objectives 2, 3, and 4 of the SRI Work Plan | April 28, 2009 |
| Submits SRI Interim Deliverable No. 2 to USEPA and NJDEP which addresses Objective 1 of the SRI Work Plan | May 19, 2009 |
| Submits HHRA Interim Deliverable (RAGS D Tables) for Block 93 Central and South to USEPA which addresses Objective 5 of the SRI Work Plan | June 8, 2009 |

Mr. Richard Ho

March 11, 2010

Page 8

| Milestone | Date Completed |
|--|----------------------------|
| Submits SRI Interim Deliverable No. 3 to USEPA and NJDEP which addresses Objective 6-8 of the SRI Work Plan | June 30, 2009 |
| Receives USEPA comments on HHRA Interim Deliverable (RAGS D Tables) for Block 93 Central and South via e-mail | July 9, 2009 (via e-mail) |
| Submits draft technical memorandums of the March 2009 vapor intrusion sampling events for 115 River Road, 163 Old River Road, and 103 River Road | July 16, 2009 |
| Submits draft SRI Report to USEPA and NJDEP | August 28, 2009 |
| Receives NJDEP comments on draft technical memorandums of the March 2009 vapor intrusion sampling events for 115 River Road and 103 River Road | Sept. 2, 2009 (via e-mail) |
| Completed SRI groundwater sampling event #2, synoptic water level and NAPL measurements | Sept. 21, 2009 |
| Submits draft HHRA of Block 93 Central and South and qualitative assessment for additional samples (collected on other properties where an HHRA was previously completed as part of the RI) to USEPA and NJDEP | Oct. 13, 2009 |
| Receives USEPA comments on draft HHRA documents submitted on October 13, 2009 | Oct. 28, 2009(via e-mail) |
| Receives USEPA comments on draft SRI Report focusing on arsenic contamination in the soil and groundwater, including characterization and analytical aspects of the study as well as the conceptual site model for arsenic | Oct. 29, 2009(via e-mail) |
| Receives USEPA comments on 2009 VI memorandums | Nov. 13, 2009(via e-mail) |
| Receives NJDEP comments on HHRA documents associated with the OU1 draft SRI Report | Nov. 13, 2009(via e-mail) |
| Receives USEPA report on split samples (soil and groundwater event #1) collected associated with the OU1 SRI Report | Nov. 17, 2009(via e-mail) |
| Receives second set of USEPA comments on draft SRI Report | Nov. 30, 2009(via e-mail) |
| Received comments from the NJDEP associated with the draft SRI Report | Dec. 22, 2009 (via email) |
| Submits draft OU1 Feasibility Study Report to USEPA and NJDEP | Dec. 18, 2009 |
| Meets with USEPA to discuss the Draft Feasibility Study Report | Dec. 21, 2009 |
| Received comments from the NJDEP associated with the draft SRI Report | Dec. 22, 2009 (via email) |
| Meets with USEPA to discuss the OU1 groundwater model | Jan. 15, 2010 |
| Received comments from the USEPA associated with the draft FS Report (Sections 4.3.3 and 4.3.4) | Jan. 29, 2010 (via email) |

Mr. Richard Ho

March 11, 2010

Page 9

| Milestone | Date Completed |
|--|-----------------------|
| Meets with USEPA to present the Construction Impact Mitigation Plan | February 1, 2010 |
| Submits response to USEPA/NJDEP comments regarding vapor intrusion technical memorandum for 2009 sampling event at 115 River Road, 163 Old River Road and 103 River Road | February 23, 2010 |
| Submits the revised technical memorandum for the vapor intrusion evaluation at 115 River Road, 163 Old River Road and 103 River Road to NJDEP and USEPA | February 23, 2010 |
| Submits draft Vapor Intrusion Work Plans for 2010 sampling work at 115 River Road, 163 Old River Road and 103 River Road to NJDEP and USEPA | February 23, 2010 |

Mr. Richard Ho

March 11, 2010

Page 10

Please feel free to contact me at 617-626-7049 or Helen Fahy, Honeywell Remediation Manager, at 973-455-2989 if you have any questions or comments regarding the Quanta project.

Sincerely,

CH2M HILL

A handwritten signature in black ink, appearing to read "John D. Rendall". The signature is fluid and cursive, with a long horizontal stroke at the end.

John D. Rendall, PE

Program Manager

cc: Clay Monroe (USEPA)
Lawrence Kast (Honeywell)
Joanne Eaglet (ExxonMobil)
Rich Kampf (ESAG)

John Morris (Honeywell)
Bob Hayton (NJDEP)
Greg Franz (Borough of Edgewater)