

FINAL MEETING SUMMARY

CH2MHILL

St. Juliens Creek Annex Partnering Team Meeting Minutes: October 17 and 18, 2006

Attendees: Agnes Sullivan/NAVFAC MID LANT
Josh Barber/EPA (Region III)
Karen Doran/VDEQ
Kim Henderson/CH2M HILL
Janna Staszak/CH2M HILL

Tier II Link: Stacie Driscoll/EPA (Region III)

Guests: Becky Hornback/CH2M HILL
Brad Young/CH2M HILL

From: Janna Staszak/CH2M HILL

Date: October 18, 2006

Location: Courtyard Marriott, Norfolk, Virginia

Tuesday, October 17, 2006

1130 Welcome/Check In

Roles and Responsibilities for this meeting:

Meeting Manager: Josh Barber
Timekeeper/Gatekeeper: Kim Henderson
Host: Janna Staszak/ Agnes Sullivan
Goalkeeper: Agnes Sullivan
Facilitator: Karen Doran
Recorder: Janna Staszak

Ground Rules

I. Review Agenda, Meeting Minutes, Action Items, and Parking Lot from the Previous Meeting

Review Agenda: No changes were made to the agenda.

Review Parking Lot: There were no items in the parking lot.

Review Meeting Minutes: The draft August meeting minutes were placed in the Parking Lot.

Review Action Items: The action items from the August meeting were reviewed.

II. Site 19 Closeout Report

Objective: Review the site closeout report and discuss site closeout with no further action (NFA) necessary.

Overview of Discussion: Copies of the presentation were provided. Kim briefly reviewed the site history, status, layout, and displayed aerial photographs. Kim then explained the format of the Site Closeout Report. Because there is no set guidance for a NFA site closeout document, the Environmental Protection Agency (EPA) Proposed Plan (PP)/Record of Decision (ROD) format was followed. Josh and Agnes asked how NFA for previous sites had been documented; Kim responded that signature pages were added to existing documents that recommended no further action. Because an Engineering Evaluation/Cost Analysis (EE/CA) was prepared and then a Non-Time Critical Removal Action (NTCRA) was conducted at Site 19, there was no existing document recommending NFA that could be signed. Kim explained that a ROD would not be needed for this site because it was in the Preliminary Assessment (PA)/Site Investigation (SI) phase of the Comprehensive Environmental Response and Liability Act (CERCLA) process and addressed through a NTCRA.

Kim reviewed the three areas of concern that were identified and investigated at the site: Parking Lot Area, Metallic Slag Area, and Elevated Subsurface Soil Polycyclic Aromatic Hydrocarbons (PAHs) Area. Previous team consensus statements documented that a removal based on the SSI samples (collected to delineate the horizontal and vertical extent of metals and PAHs) would reduce the potential human health and ecological risk to an acceptable level based on comparison to residential risk-based criteria (RBCs) and dredge fill background upper threshold limits (UTLs).

Path Forward: Comments are due on the Draft Site 19 Closeout Report on November 28. Tier I Navy, EPA, and VDEQ signatures will then document NFA (team goal December 31, 2006).

III. Site 5 EE/CA and Confirmation Sampling

Objective: Review site risks, review cleanup goals, present procedures for developing removal areas, and review the path forward to facilitate review of the Draft Final EE/CA.

Overview of Discussion: Copies of the presentation were provided. Janna reviewed the summary of human health and ecological risks identified during the remedial investigation, including risk management considerations for human health (arsenic in sediment and iron in surface soil and sediment) and ecological (PAHs in surface soil and sediment) receptors. Janna reviewed the human health risk-based cleanup goals developed for arsenic, copper, and lead and the human health risk-based removal areas (waste and burnt soil area and surrounding surface soil areas) established. She also reviewed the ecological risk-based removal areas based on site-wide averages remaining in place, following removal of human health risk-based areas and the waste/burnt soil area, below the acceptable level of ecological risk (greater values of the background UTLs or BTAG screening values). Janna explained the exceptions to meeting the site-wide averages for cyanide, thallium, DDE, and DDT for potential risk management. The site-wide average concentrations of cyanide and thallium were lower than average borrow soil concentrations; therefore, the concentrations following removal and backfill would not result in lower concentrations. For DDE and DDT, site-wide average concentrations are slightly higher than BTAG screening values but these concentrations are reflective of historic facility-wide use. The basis for the human health and ecological risk-based removal areas is presented in the Draft Final EE/CA submitted for review October 16, 2006. This Draft Final EE/CA establishes a consistent site-

wide approach for the application of cleanup goals for the waste/burnt soil area and surface soil and sediment removal areas.

Path Forward: The schedule for document review was discussed and comments are due on the Draft Final EE/CA by November 16, 2006. The public comment period is planned for November 20 through December 20, 2006. Agnes needs to fund the removal action by the end of February and the Action Memorandum needs to be submitted and signed by the Navy for award. Pre-confirmation sampling will be discussed after the EE/CA is finalized.

IV. Blows Creek Path Forward

Objective: Discuss response to comments on the Baseline Ecological Risk Assessment (BERA) and reach consensus on path forward.

Overview of Discussion: Copies of the presentation were provided. Kim indicated that the presentation has not changed since the last meeting, with the exception of some typo corrections that were made (underlined in the new presentation). The team decided it was not necessary to review the presentation in its entirety. Kim proceeded with the path forward portion of the presentation. Agnes is going to respond to the conceptual electronically-enhanced BERA (eBERA) comments received from EPA and VDEQ.

Action Josh: Let Kim know when BTAG reviews/comments on the BERA RTC.

Action Kim: Set up conference call for BERA path forward consensus.

Path forward: The team will then finalize the eBERA by incorporating the team consensus for Blows Creek and minor revisions from the technical comments received. The team goal is to finalize the eBERA by December 31, 2006. Regarding documentation, because Blows Creek is tied to Site 5 in NORM, the team consensus for Blows Creek will be incorporated into the Site 5 ROD.

V. Roundtable

Site 4 Voluntary Groundwater Monitoring: Karen requested that the team consider consensus to collect an additional round of groundwater samples during the 5-year review. Karen asked who determines what goes into the 5-year review. The Navy prepares it and the EPA has the opportunity to comment. Kim indicated that the team would need to develop a plan for using the data prior to collecting it. Agnes prefers to wait until the data from the first 2 years is evaluated. Karen indicated that VDEQ would like to see more than 2 years of monitoring; however, there are no regulations requiring it because Site 4 is not a permitted landfill and it was in use prior to RCRA regulation. Karen asked how it can be determined that the remedy (soil cover) is being protective. Agnes and Kim responded that the existing data (at least 3 rounds) has not identified any potential risk in groundwater and that there is no applicable ARAR in the ROD. Karen indicated that her main concern is the long term and the potential for risk to develop over time if a release would occur. The Navy indicated that it understands the VDEQ concern; however, because there are no known requirements for soil cover effectiveness monitoring in the Record of Decision, the Navy is not comfortable with committing to collection of more rounds at this time. Site 4 groundwater monitoring during the 5-year review was added to the Parking Lot.

Site 21: Kim provided an update on the status of Site 21. The mobilization for the groundwater investigation is scheduled for Monday, October 23 and will last for approximately a week and a half. Kim reviewed the investigation activities and objectives. Janna updated the team on the status of the storm sewer line video.

Wednesday, October 18, 2006

0830 Welcome/Check In

Reviewed Roles and Responsibilities.

Reviewed Ground Rules

Reviewed current agenda: The Tier II Update was moved to 10:30 AM. The Site 2 topic was moved earlier to accommodate. Kim requested that we take some time to prepare for the RAB meeting. If there is additional time, Josh asked that the team prepare a brief write-up on SJCA for the Elizabeth River Project. Additional changes were made as necessary.

VI. RAB Preparation

Overview of Discussion: The team reviewed the RAB agenda and discussed the format of the meeting.

VII. Enterprise Training

Objective: Introduce the new team members to the SJCA web sites.

Overview of Discussion: Kim introduced Becky Hornback and Brad Young to the team. Becky then gave a tour of the private and public web sites. The team provided feedback on the private web site, requesting a more advanced search function and asking if commenting can be performed in Word.

Action Team - Look into getting Adobe Writer for on-line document commenting.

VIII. Tier II Update

Stacie Driscoll provided the Tier II update by phone:

Environmental Benefits: Environmental Benefits are a new EPA requirement; estimated volumes to be addressed must be incorporated into RODs because they constitute an enforcement action.

Success Stories: Success stories should be submitted to Tier II; the SJCA Blows Creek BERA success story has been submitted to Bob Schirmer.

Tier II Goals: Must be posted to web site by end of month.

Tier II Webpage: Stacie asked how frequently the access the Tier I/Tier II Partnering web site. The document has guidance documents and links to the agencies web pages. The team does not use it frequently; however, most of the information contained on the site is also posted on the SJCA web site. Kim gave a brief tour of the site after the update.

IX. Site 2 Conceptual Site Model/Remedial Action Objectives/Schedule

Objective: Review the site data collected to-date and summarize potential risks, present draft remedial action objectives (RAOs) and data gaps, discuss potential investigation activities to address data gaps, and review the schedule for dynamic work planning.

Overview of Discussion: Copies of the presentation were distributed. Kim reviewed the investigation history of site and risks identified in the various media. She also presented the results of a preliminary ecological evaluation of the existing data to determine what soil and sediment samples may be able to left in place; Josh asked if the site-wide average approach could be used for Site 2 because it is a different habitat than Site 5.

Kim reviewed the potential routes of migration from Site 2, including runoff and surface water transport, unsaturated zone migration, saturated zone migration, and the transformation processes. Kim reviewed the draft RAOs and data gap evaluation.

Kim reviewed the schedule for Site 2. CH2M HILL is preparing a CSM memorandum that will be submitted to the team by November 3, 2006. The team will then have to review the memo to prepare for the December dynamic planning meeting.

Action Team - Review Site 2 RI, ERI, CSM technical memorandum, draft RAOs, and uncertainties in preparation for the December meeting.

X. Schedule and FY 2007 Team Goals Update

Schedule: The Schedule was updated and is included as a separate file.

Action Agnes - Ask Chris Peterson about upgrading to Arcview 9 for GIS update and check web site to see if new GIS update is needed and let Kim know.

FY2007 Team Goals: The FY2007 Goals were updated, included as an attachment, and will be posted on the Virginia/Maryland Joint IR Teams web site.

XI. Agenda Building – December Meeting Agenda

<u>Topic</u>	<u>Goal</u>	<u>Lead</u>	<u>Time</u>
Site 2 Dynamic Work Plan Working Session	Draft the dynamic work plan	CH2M HILL?	8 hrs
Site 19 Closeout/NFA Signature	Obtain team signatures for closeout of Site 19 with NFA.	Kim	15 min
Site 5 Groundwater Data Evaluation and EE/CA & Action Memorandum Status	Discuss groundwater data from recent sampling rounds & path forward for removal action.	Janna	1 hr
Site 21 Additional Investigation	Present preliminary results of the Site 21 investigation activities	Kim or Janna	30 min
Roundtable	Open (Site 4 groundwater sampling)	Team	15 min

Next meeting: December 13 & 14, 2006 w/Site 2 Triad Planning Meeting

Location: Hall of States, Washington, DC

Lodging: Hotel Helix, Washington, DC

Start time: 11:30 AM

Finish time: 5:00 PM

Chair: Karen Doran

Host: Agnes Sullivan

Timekeeper: Josh Barber

Goal Keeper: Agnes Sullivan

Recorder: Janna Staszak

Facilitator: Kim Henderson

Tier II: TBD

Guests: Technical Consultants

Pre-Meeting Agenda Conference Call: 10:00 AM on November 29, 2006

Action Team – Review Site 19 Closeout Report and be prepared to sign it; distribute concerns/comments to the team by December 1, 2006.

XII. Future Meetings Schedule

January 31 – February 1, 2007 Richmond, VA

March 21 – 22, 2007 Philadelphia, PA

May 8 – 9, 2007 Virginia Beach or Norfolk, VA?

Consensus: The team agrees to accept these meetings for the October 2006 meeting as final. The final minutes will be posted on the Virginia/Maryland Joint Installation Restoration (IR) Teams web site.

XIII. Meeting Evaluation

Karen provided facilitator feedback. During the Partnering Session, the Team filled in “+” and “Δ” to list the positives and negatives of the meeting.

XIV. Parking Lot

- Incorporate Environmental Indicators into FY2007 Goals
- Site 4 groundwater monitoring during the 5-year review
- August draft meeting minutes
- Consensus statements for final documents