

N61165.AR.002927  
CNC CHARLESTON  
5090.3a

NOTES FROM BASE REALIGNMENT AND CLOSURE TEAM MEETING DATED 12  
NOVEMBER 2002 CNC CHARLESTON SC  
11/22/2002  
CH2MHILL

## Notes from November 2002 BCT Meeting Navy's CNC BCT Office, Charleston, SC

PREPARED FOR: Charleston Naval Complex BCT  
PREPARED BY: Richard Garcia  
DATE: November 22, 2002

The November 2002 BCT Meeting was held at the Navy's CNC BCT office in Charleston, South Carolina. The meeting began at 1300 hrs on Tuesday, November 12, 2002, and concluded at 17000 hrs on Tuesday, November 12, 2002.

### Tuesday, November 12, 2002

The meeting began with introductions of team members, agenda review, and action item review. The action items list from the previous meeting was reviewed with the following outcomes:

- Develop list of concerns associated with new construction activities in areas of existing SWMUs and AOCs - List provided during this meeting
- Tony and Gary to develop EBS addendum to address Cooper River oil spill - Under development
- Awaiting comments on Letter from CH2M-Jones requesting approval for onsite disposal of clean groundwater and soil samples at the source - DHEC working on response

There was a short discussion regarding nominating the CNC project under both the Navy and EPA programs. The Navy is considering nominating the CNC project for recognition on Progress and Restoration work. Tony will disseminate any forms or information required for the nomination. The Brownfield conference in Charlotte included a poster that sited the work at CNC. Members of the BCT requested a copy of the poster from Dann. It was also noted that EPA awarded a Brownsfield job-training grant to Charleston, SC in the amount of \$750,000.

### Update on Field Activities and Status of Various Sites

CH2M-Jones provided an update on activities performed in the month of October at the following sites:

AOC 613: sampling of wells.

SWMU 5: Excavation of lead contaminated soil.

AOC 617: New wells installed, groundwater sampling, and pump test execution.

SWMU 3: Gauged, sampled wells and excavated small soil area remaining.

SWMU 166: Final injection of ZVI completed this month.

SWMU 17: Four wells installed to support AFVR.

Well Inspection/abandonment/Installation: Completed the well inventory.  
Abandoned wells at Zones C and I.

### **Halsey Street Discovery**

Rob Harrell provided an update on the recent UXO findings at Halsey Street. His presentation provided a summary of the two rounds discovered, the location, the reporting, and proposed actions to follow. He requested that members of the BCT review a work plan, currently under development, that will address the proposed UXO investigation activities, concur on the area to investigate, and determine the footprint of landfill (SWMU9) that will require UXO LUCs, in addition to the landfill LUCs. The work plan should be issued over the next few weeks. It was noted that while proper notification was provided to local agencies and the DOD, EPA should have also been informed at the time that the UXO was discovered. Notification to EPA took place several days later.

### **Indoor Air for Human Exposure EI**

Rob Harrell made a presentation regarding Indoor Air for Human Exposure Environmental Indicators (EI). The discussion centered around SWMU 166 at the Annex. Previously there had been some concerns regarding indoor air exposure at facilities used for training that may be located at or near the TCE plume. Rob indicated that based on available data it is anticipated that the dissolved phase of TCE under the building is found approximately 18.5 feet beneath the slab. There is no indication that vapors could reach human exposure through pathways based on the depth of the plume and presumed clean groundwater and soil samples between the plume and the floor at the building. DHEC suggested that a cross-section of the scenario be presented and that analytical data from existing wells/soil samples be provided in the vicinity of the structure to justify this rationale.

### **Construction Criteria**

Tony H. lead a discussion regarding future construction criteria that may be used during the evaluation of proposed new facilities or renovations within the CNC. The individuals proposing such improvements will be required to answer a questionnaire

that will provide assurance that the activity will not have an adverse effect to the environmental conditions of the site. Tony suggested that members of the team should inquire from the existing State Brownsfield Program with regard to guidance used for this same purpose. The team then proceeded to list a number of items to be addressed by the applicants to future improvements. Listed below is the list generated: worker protection; indoor air concerns; impact to horizontal and vertical groundwater flow; physical impact to remedial activities; insurance that activity does not alter exposure based on assumptions used in deriving LUCs; proper disposal of potentially contaminated media; development of a contingency plan (i.e. spill prevention/remedy failure/emergency response/GW sampling); appropriate figures overlapping plume with proposed activities; protocol to follow when encountering contaminants; insurance of proper casing from deep irrigation wells through contaminated media; provide a construction schedule; define the intended reuse (waste products, construction materials, etc.); indemnify statement of hazards being controlled); acknowledgement of potential interference with existing controls; assessment of post construction effects; appropriate engineering/construction methods (stormwater controls, calculations, specifications, utility layout) and demonstrate knowledge on how to deal with problems; coordination of remediation activities; navy responsibility to have CA schedule; proper insurance coverage; proper local/state/federal permits in place.

It was noted that construction derived waste will be reviewed by the Waste Assessment Group at DHEC.

Tony will compile this list and present at the next BCT meeting.

### **Cancer Risk Additivity for Chlorinated Solvents Plume**

Dann S. provided a brief note that NPL sites had goals lower than the MCL levels established at the state/federal level when dealing with chlorinated solvent plumes and the cancer risk additivity. If MCLs are followed, results may be higher than the goals established at NPL sites. The cancer risk should be additive for each chlorinated solvent present at a site. He noted that due to the LUCs proposed at the site, this should not pose a significant change from the approach in place at CNC.

### **PCB Soil Cleanups: TSCA Regulations and EPA Protocol**

Dann S. also provided an informative presentation regarding PCB site cleanups and TSCA requirements. The presentation provided an overview of the regulations, the definition of PCBs, the various types of PCBs, disposal procedures/options, site characterization, EPA notification and certification. Emphasis was placed on the requirement for notification to EPA from responsible parties. Mr. Craig Brown, EPA

R4 PCB coordinator was noted as the POC. He can be reached at (404) 562-8990 or at brown.craig@epa.gov.

### **Revised Submittal Tracking Table**

The submittal tracker was reviewed at the meeting. Gary presented key submittals under review and upcoming documents from CH2M-Jones. It was noted that based on current workload at DHEC and resources available, that EPA should be considered as an alternative for future documents that will be submitted by CH2M-Jones.

### **RAB Meeting Preparation**

The agenda for the RAB meeting was discussed. The three key topics to be presented at the meeting are 1) status of EDC phase III transfer; 2) status of EDC phase IV FOSET/EBST; and 3) status of sites. Gary F. provided a Power Point Presentation describing the progress to date at CNC site.

### **Meeting Recap / Parking Lot**

It was noted that Mr. Paul Bergstrand would be assuming new duties within the DHEC department. His future involvement with this project will be on an advisory role.

### **Action Items**

- Tony will compile the list for construction criteria at CNC following property transfer and present it no later than the next BCT meeting.
- Provide a cross-section beneath the training building at SWMU 166 to demonstrate no pathway for Indoor Air for Human Exposure Environmental Indicators (EI) and analytical data from existing wells/soil samples in the vicinity of the structure to justify this rationale.
- Tony and Gary to develop EBS addendum to address Cooper River oil spill.

### **List of Attendees:**

U.S. Navy: Rob Harrell, Tony Hunt

USEPA: Dann Spariosu, Ann Godfrey

SCDHEC: Jerry Stamps, Paul Bergstrand, Gill Rennhack, JoCherie Overcash, Mansour Malik, Jack Gelting

CH2M-Jones: Gary Foster, Dean Williamson, Tom Beisel, Richard Garcia.

Ensafe: Charlie Vernoy



**From:** Robert Horn  
**To:** Faulk, Wayne  
**Date:** 1/8/2004 9:39:55 AM  
**Subject:** Memphis Meeting - Air - 585.20 12/02/03

Accounting does not have a copy of this expense report with receipts attached.

If you have sent it by inter-office mail in the last couple of days it may not have gotten here yet.

If you have not sent it in please do so.

If you sent it more than a week ago it is lost, Can you reproduce this and send in the receipts?

Please let me know

Thank You  
Robert Horn