



THE MEMPHIS DEPOT TENNESSEE

ADMINISTRATIVE RECORD COVER SHEET

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FINAL

BRAC Cleanup Team

Meeting Minutes

November 21, 2002

BRAC Cleanup Team	Organization	Phone
John De Back	Defense Logistics Agency (DLA)/Defense Distribution Center (Memphis)	(901) 544-0622
Turpin Ballard	Environmental Protection Agency, Region IV (EPA)	(404) 562-8553
Project Team	Organization	Phone
Michael Dobbs	Defense Distribution Center	(717) 770-6950
Clyde Hunt	Memphis Depot/USACE Memphis	(901) 544-0617
Bruce Railey	Corps of Engineers - Huntsville	(256) 895-1463
Scott Bradley	Corps of Engineers - Huntsville	(256) 895-1637
Peggy DuBray	Corps of Engineers - Mobile	(931) 454-6630
Claude Leake	Corps of Engineers - Mobile	(251) 690-2318
Stephen Offner	CH2M HILL	(770) 604-9182 x302
David Nelson	CH2M HILL	(770) 604-9182 x394
Virgil Jansen	Jacobs Engineering	(865) 220-4933
Kraig Smith	Jacobs Engineering	(931) 393-6448
Robert Edwards	Mitretek Systems	(210) 408-5552

Master Schedule

Mr. Stephen Offner indicated that there were no changes to the master schedule. He updated the BCT on several schedule items that have been completed. Mr. Ballard requested that BCT review time for the Main Installation (MI) OPS determination be inserted at Line 64.

Land Use Control Implementation Plan (LUCIP)

Mr. John DeBack reported that Mr. Stan Citron is still reviewing the LUCIP. Mr. Ballard indicated the need to have the LUCIP by or before receipt of the 60% MI remedial design.

CERCLA 5 yr Review for Dunn Field

Mr. David Nelson indicated that Mr. Ballard and Mr. Scott Bradley provided comments and that CH2M HILL was working the comments and responses. The BCT discussed several of Mr. Ballard's comments and developed comment responses and changes to the document.

Main Installation Baseline Groundwater Sampling Technical Memorandum (TM) and Enhanced Bioremediation Treatability (EBT) Study

Mr. Nelson distributed the TM, which contained results of baseline groundwater sampling data. The BCT discussed the results.

Mr. Nelson also presented preliminary contaminant level and geochemical data for both EBT study sites for the period after the initial EBT injection. Results indicate that there has been limited decrease of contaminant levels at a majority of the study site monitoring wells followed by a concurrent increase or decrease of certain geochemical factors, especially the ferrous and ferric iron levels. The decrease of contaminant levels has been recently followed by an increase to pre-existing levels. Geochemical factors have indicated that there has been and continues to be anaerobic activity within the aquifer. Overall, the results indicate that injected materials were affecting contaminant levels.

Mr. Robert Edwards noted that experience at other locations utilizing vegetable oil injections indicates that treatment requires about six months to one year before contaminant levels respond with a definite trend. He also noted that increases in contaminant breakdown product levels indicated that the injected materials were affecting contaminants. The BCT discussed the information as well as variables including rainfall recharge, geochemical parameters, and amount of injected electron donor material, as related to potential impacts on the contaminant levels and on the effectiveness of enhanced bioremediation. Based on the information from Mr. Edwards, the BCT agreed to the re-injection of additional sodium lactate at the Area 2 study site and concurrent additional groundwater monitoring as well as an additional six months of sampling at the Area 1 study site before moving into development of the Intermediate Remedial Design document. Mr. Ballard noted that this would be just cause to extend the MI RD schedule approximately another six months.

Main Installation Remedial Design (RD)

Mr. Nelson presented updates and data requirements necessary to complete the MI RD. The design considerations affected by the EBT Study included areas to remediate and the most effective injection methods. Mr. Nelson suggested installing some of the long term monitoring wells in areas that need better control points prior to completion of the RD. The BCT discussed areas of groundwater contamination to be remediated, basic design factors including injection wells vs. a recirculation system and potential long term monitoring well locations.

Dunn Field Recovery System (Industrial Wastewater Discharge)

Mr. Kraig Smith reported that Jacobs Engineering had submitted proposals to COE for repair of RW1 and alternative proposals including replacement of discharge pipe for

every well. Mr. DeBack instructed COE Mobile to evaluate proposals and implement the funding to replace all extraction well piping.

Pistol Range Removal Action

Mr. Virgil Jansen reported that Jacobs Engineering received notice to proceed and had started the subcontracting process. Characterization samples were to be collected the week of December 2. Mr. Jansen anticipated the removal action would begin in January 2003 and continue for about two weeks. Jacobs Engineering had submitted the Health and Safety Plan and planned to distribute the Work Plan the week of November 25.

Mr. Ballard reminded Mr. DeBack to provide EPA written notice that the removal action had started as well as written notice of completion.

2003 Groundwater O&M Plan

Mr. Jansen provided, and the BCT discussed, recommendations for changes to the 2003 O&M Plan for the groundwater extraction system. The BCT disagreed to decrease the number of telemetry monitoring activities. The BCT agreed to change the bi-weekly water level measurement activities to quarterly (with bi-monthly physical plant inspections that can be conducted by a subcontractor). Jacobs Engineering will continue quarterly effluent sampling for volatiles (BCT requirement) and semi-annual monitoring for volatiles, semi-volatiles and metals, as it is a City of Memphis requirement. The BCT requested that Mr. Smith evaluate wells where contaminant stratification occurs, and then determine the need for single or multiple PDBs. The BCT agreed to add MW73 for O&M sampling. CH2M HILL and Jacobs Engineering will discuss with Mr. Ballard the monitoring wells to be added or discontinued from the O&M sampling list. Jacobs Engineering will include two system recalibration activities in the cost estimate, but will recalibrate the system only once per year. Mr. Jansen and Ms. DuBray will work to include a contract line item for a pump repair/replacement allowance to speed up the process.

Dunn Field Feasibility Study (FS)

Mr. Offner presented several issues resulting from FS comments. Mr. Offner indicated that the final remedy may include several different types of remedies and may vary from area to area due to the variety of contaminants at Dunn Field. The BCT also discussed issues regarding the Zone Valent Iron (ZVI) and Permeable Reactive Barrier (PRB) alternatives and the remedial action objectives. Mr. Offner will prepare comment responses and will work with Mr. Ballard regarding his RAO comments.

Rev. 0 Dunn Field Proposed Plan

Mr. Offner will distribute the Rev. 0 Proposed Plan the week of November 24.

Dunn Field Disposal Sites Pre-Design Technical Memorandum (TM)

Mr. Offner reported that he had submitted to COE a proposal to prepare the TM. CH2M HILL will request information necessary to develop the TM from Jacobs Engineering. Recognizing the need to address the disposal pits early in the remedial action process, Mr. Ballard suggested that CH2M HILL prepare and distribute the disposal pits excavation design package as soon as possible to facilitate implementation of the rest of any remedy.

Off-site Dunn Field Well Locations

Mr. Leake reported that COE Mobile had started discussions for property access with the railroad and Production Specialists. Mr. Smith was working access agreements with the City of Memphis for the right-of-way locations. CH2M HILL will prepare a scope of work once wells locations have been confirmed and will distribute the scope to the BCT. Jacobs Engineering will prepare a cost estimate based on the scope, and Ms. DuBray will request funds. Mr. Dobbs will associate the off-site wells with a DSERT site.

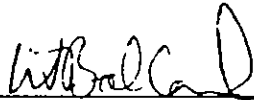


JOHN DEBACK

Nov 21, 2002

DATE

Defense Logistics Agency/Defense Distribution Center (Memphis)
BRAC Environmental Coordinator
BRAC Cleanup Team Member



TURPIN BALLARD

11/21/02

DATE

Environmental Protection Agency
Federal Facilities Branch
Remedial Project Manager
BRAC Cleanup Team Member



JAMES MORRISON

11-21-02

DATE

Tennessee Department of Environment and Conservation
Memphis Field Office
Division of Superfund
BRAC Cleanup Team Member

Action Item #	Action Items	Responsibility	Start - Suspense Date	Completed Date
1-11/02	Provide Hill with list of MWs that require repair	Kraig Smith	11/02	
2-11/02	Provide Hill with Hays Rd construction plan from DRC Hill to identify MWs that may be impacted	John DeBack/Steve Offner	11/02	
3-11/02	Work response to EPA Dunn Field FS comment re cleanup levels - RBC vs MCL	Turpin Ballard/Steve Offner/Vijaya Mylavarapu	11/02	

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