



THE MEMPHIS DEPOT TENNESSEE

ADMINISTRATIVE RECORD COVER SHEET

AR File Number 756

756

1

File: 212.700.000(a)
J.D. 756

Final

BRAC Cleanup Team

Meeting Minutes

August 20, 2003

BRAC Cleanup Team	Organization	Phone
John De Back	Defense Logistics Agency (DLA)/DDSP-D (Memphis)	(901) 544-0622
Turpin Ballard	Environmental Protection Agency, Region IV (EPA)	(404) 562-8553
James Morrison	Tennessee Department of Environment and Conservation, Memphis Field Office, Division of Superfund (TDEC)	(901) 368-7958
Project Team	Organization	Phone
David Buxbaum	U.S. Army SREO	(404) 524-5061
Peggy DuBray	U.S. Army Corps of Engineers -	(931) 454-6630
Karl Blankinship	U.S. Army Corps of Engineers - Mobile	(251) 682-7546
Bruce Railey	U.S. Army Corps of Engineers – Huntsville	(256) 895-1463
Chris King	U.S. Army Corps of Engineers – Huntsville	(256) 895-1843
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
Denise Cooper	C&A Inc.	(901) 767-1249

Land Use Control Implementation Plan (LUCIP)

Mr. Buxbaum met with EPA legal and worked issues to finalize EPA comments. Mr. Buxbaum anticipates sending the document up for DLA and Army review within the next few weeks. Ms. Mylavarapu continues to work the risk analysis for the LUC to be included in the Dunn Field ROD.

Finding of Suitability to Transfer (FOST) 3

Mr. Nelson reported that CH2M Hill was performing internal review of the draft FOST and that it is on schedule for distribution by August 31. The team discussed groundwater issues and verbiage to include in the FOST. Mr. Nelson will email the document to Mr. DeBack, and he

will distribute. If it is too big for an email, Mr. Nelson will place the document on Hill's server and send Mr. DeBack the document on CD.

BRAC Cleanup Plan (BCP) Update

Ms. Cooper reported that Labat-Anderson was performing internal review of the draft BCP Version 7 and that it is on schedule for distribution by August 31. The document will be placed on Labat's server and instructions for access will be included in the distribution email.

Off-site Upgradient Well Status

Mr. Offner provided sampling results from the recently installed off-site monitoring wells. Results indicate that 1,1-DCE, TCE and PCE concentrations are above the MCLs and are migrating onto Dunn Field from an off-site source. Mr. Buxbaum indicated the need for an additional MW just down gradient of the suspected source to provide even greater evidence that the plume is not associated with the Depot for transfer purposes and to give TDEC better data to pursue the off-site source.

Mr. Ballard suggested including verbiage in the Dunn Field ROD regarding groundwater use restrictions for the area where contaminants are migrating on to Dunn Field. Mr. Ballard also suggested that the ROD include a "ramping up" contingency to implement treatment. The BCT tabled the issue of installing more MWs on Dunn Field to better delineate the area where groundwater use restrictions would apply until Mr. DeBack confirmed DOI's position regarding transferability of property with use restrictions.

Jacobs will include the new off-site monitoring wells and MW28 in the next round of groundwater sampling scheduled for the end of September. Mr. Offner reported that MW34, which had elevated TCE quarterly sampling results, was resampled with a 1J result. Jacobs will resample this well in September.

Main Installation (MI)

Remedial Design (RD)

Mr. Nelson anticipates submitting the 60% RD in October that will consist of the EBT study tech memo, long term monitoring plan, LUCIP (Rev. 0, Version 4), and cost scenario of injection wells vs. recirculation system. Mr. Nelson briefly described the recirculation system, and the BCT discussed the pros and cons. Mr. Ballard suggested that perhaps PRB and ZVI would be less O&M intensive than the enhanced bioremediation with electron donor injections due to the aerobic conditions in the aquifer and the longevity of PRB. Mr. Nelson will include a discussion of other potential alternatives, such as PRB, in the RD.

Enhanced Bioremediation Treatability (EBT) Study

Mr. Nelson presented recent results of the study, and the BCT discussed the effectiveness of the different injected materials. Results for the Barnhart area indicate that the vegetable oil works well and maintains degradation longer than sodium lactate, but it takes longer than sodium lactate for degradation to begin. Results for the Police area indicate that sodium lactate works quickly and obtains degradation, but it has to be injected often to maintain degradation. Based on contamination levels in MW88, the BCT discussed the possibility of a soil source. In the RD, Hill will include pulling soil samples during installation of the injection points at this area.

PCP Dip Vat Soil Samples

Mr. Nelson indicated he received comments from TDEC, Mitretek and the COE and that he conducted an on-board review with TDEC and COE. He distributed responses last week and is

awaiting approval from TDEC. Mr. Morrison indicated he had not reviewed the responses. The BCT discussed and resolved several comments. Mr. Railey reported CH2M Hill received contract modification to collect samples at Site 21 and that samples will be collected during the PCP dip vat mobilization. Mr. Nelson anticipated distributing the Rev. 1 PCP Dip Vat Data Collection Plan the week of August 25 and mobilizing the week of September 27. Mr. Morrison plans to collect shallow soil samples from the borings and analyze for dioxins.

Dunn Field

Hays Road Easement

Mr. DeBack indicated the City's surveyors were working last week and that the easement is pending.

Record of Decision

Mr. Offner indicated Ms. Mylavarapu is working the risk analysis to provide the basis for remedial goals and long-term monitoring frequency. Mr. Ballard indicated the final ROD must include the risk-based frequency. Until Ms. Mylavarapu has completed the risk analysis, the ROD will indicate periodic monitoring. Mr. Ballard and Ms. Mylavarapu will discuss long-term monitoring issues. Mr. Offner reported that he is working responses to EPA and Army comments and will distribute the comment responses on August 25 and the Rev. 1 ROD on September 3. The response to a Mitretek comment will indicate that TN groundwater category schematics determined that the groundwater at Dunn Field must meet general requirements, which means remediation levels are set by the Safe Drinking Water Act ARAR.

Ordinance/Explosives (OE) Clearance Statement/Disposal Pits Pre-Design Work Plan

Mr. Railey indicated he would forward the Statement of Clearance to DLA (Mr. Dennis Lillo) next week for signature. CH2M Hill will distribute the Rev. 2 Disposal Pits Data Collection Plan with the contingency language and a placeholder for the Statement of Clearance. Huntsville will provide Jacobs the Statement of Clearance with COE signatures in order for them to begin fieldwork in early September. Huntsville COE will provide the OE training called for in contingency language.

Mr. Jansen indicated that the survey has been conducted. Mobilization for the geophysical survey is scheduled for September 8. Mobilization for intrusive work is scheduled for early October.

Zero Valent Iron (ZVI) Pilot Test and Bench Scale Studies

Mr. Offner discussed the subcontractors who will do the work, the work plan approach and the primary study objective – iron delivery. The BCT discussed injection procedures, sampling procedures, monitoring points and procedures, column test procedures, and impacts on other projects being conducted at Dunn Field. Mr. Offner anticipated distributing the work plan by the end of August and hoped to install the monitoring wells in September.



18 Sep 03

JOHN DEBACK

DATE

Defense Logistics Agency/Defense Distribution Center (Memphis)

BRAC Environmental Coordinator

BRAC Cleanup Team Member



9/18/03

TURPIN BALLARD

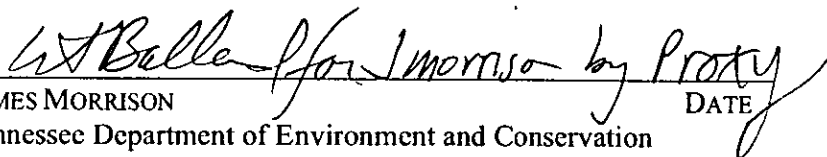
DATE

Environmental Protection Agency

Federal Facilities Branch

Remedial Project Manager

BRAC Cleanup Team Member



JAMES MORRISON

DATE

Tennessee Department of Environment and Conservation

Memphis Field Office

Division of Superfund

BRAC Cleanup Team Member

FINAL PAGE

ADMINISTRATIVE RECORD

FINAL PAGE