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# THE MEMPHIS DEPOT TENNESSEE

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## ADMINISTRATIVE RECORD COVER SHEET

AR File Number 847

**File:**

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**Final**

**Memphis Depot**

**BRAC Cleanup Team**

**Meeting Minutes**

**20 October 2005**

<b>BRAC Cleanup Team</b>	<b>Organization</b>	<b>Phone/email</b>
Michael Dobbs	Defense Logistics Agency (DLA)/Defense Distribution Center (DDC) J-3/J-4E	717.770.6950
Turpin Ballard	Environmental Protection Agency, Region IV (EPA)	404.562.8553
James Morrison	Tennessee Department of Environment and Conservation, Division of Remediation (TDEC-DoR)	615.532.0910
<b>Project Team</b>	<b>Organization</b>	<b>Phone</b>
Bruce Pivetz	Dynamac	580.436.5740
Evan Spann	TDEC-DoR	901.368.7916
Tom Holmes	MACTEC Engineering	770.421.3373
Glenn Coffman	MACTEC Engineering	770.421.3470
Denise Cooper	MACTEC Engineering	901.767.1249
Bruce Railey	Corps of Engineers – Huntsville (CEHNC)	256.895.1463
David Nelson	CH2M Hill	770.604.9182 x645
John K. Miller	Mitretek Systems	703.610.2560

***BCT Business/Previous Meeting Minute Approval***

Mr. Morrison informed the BCT that effective 21 October 2005 Mr. Spann would be the TDEC representative on the BCT. The BCT approved and signed the minutes from the 15 September 2005 meeting.

***BRAC Cleanup Plan (BCP) Version 9***

Mr. Holmes reported that MACTEC was preparing the BCP Version 9 and planned to submit it for internal review on 1 November 2005 and for BCT review on 1 December 2005. Mr. Holmes presented the draft master schedule and pointed out selected dates that changed from the BCP Version 8 master schedule.

The team discussed the schedule, especially the BCT document review periods, and suggested changes.

Mr. Dobbs requested that TDEC and EPA identify those items needed for their milestone checklists in order to identify them on the schedule. Mr. Ballard reiterated that the scheduled time periods for review and comment incorporation should reflect the time allotted in the Federal Facilities Agreement.

**AI: MACTEC to send selected date changes via email to TDEC (E. Spann).**

#### ***Main Installation***

##### ***Long Term Monitoring (LTM) Annual Report***

Mr. Holmes reported that MACTEC had submitted the LTM Annual Report to the internal team for review. The report includes recommendations to install monitoring wells to address the plume at MW39 and other small plumes, and a monitoring well sampling schedule. Mr. Holmes anticipated submitting the report to the BCT on 11 November 2005.

##### ***Remedial Action (RA) Mobilization and Implementation Schedule***

Mr. Holmes reported that MACTEC anticipates receiving notice to proceed from the Air Force Center for Environmental Excellence (AFCEE) in early January 2006. He indicated that the field work schedule included six months for installing the injection and monitoring wells with injections scheduled to begin in late summer 2006. The MI RA Work Plan included the number of monitoring wells to be installed.

#### ***Disposal Sites RA***

Mr. Holmes distributed a schedule detailing the steps underway to prepare the Work Plan and Health and Safety Plan (HASP) addenda as well as for mobilizing to complete the RA. He reported that MACTEC was conducting a risk assessment to determine the potential risk if all the vials were broken at once for use in the HASP. MACTEC had also tasked the laboratory to determine a method detection limit for ortho-tolidine.

Mr. Holmes indicated that MACTEC was working to overcome logistical issues regarding availability of roll-offs and waste transportation as many of the local companies were involved in the Hurricane Katrina cleanup.

##### ***Interim Remedial Action (IRA) System***

Mr. Holmes reported that during the walk-through yesterday, the team identified a sample port leaking that was fixed at the time. All the recovery well pumps were operating properly.

Mr. Ballard suggested that when DLA erected the fence to delineate the remaining government property from the transferred property that they include signage to deter trespassers.

Mr. Holmes reported that MACTEC's engineering department was reviewing the IRA well system and that MACTEC would prepare a submittal to AFCEE regarding wells that could be turned off in order to reduce operating costs.

##### ***Source Areas Remedial Design Investigation (RDI)***

Mr. Nelson presented preliminary results from the membrane interface probes (MIP) and soil samples collected and analyzed to date. He reported that the correlation between MIP results and soil sample results was about 90%. Based on the MIP data collected to date, the soil vapor extraction (SVE) treatment areas would decrease in size. Several of the monitoring wells have been installed, but CH2M Hill had not yet received sample results.

CH2M Hill discovered a large pile of tires dumped near MW164 and MW157 and Mr. Nelson requested assistance in having them removed. Mr. Spann provided a TDEC point of contact to which Mr. Nelson should report the tire dumping. Mr. Nelson also presented geological information from recently installed MW179. The information would help to confirm and refine the hydrogeologic cross section for that area. He also discussed the shallow and deep well locations proposed for north of E. Person Street and indicated that the data from these wells would be used in the groundwater model. He anticipated that well installation would be finished the week of 24 October 2005.

In response to Mr. Ballard's agenda request to discuss potential enhancements to the SVE system in the loess, Mr. Nelson indicated that CH2M Hill would consider enhancements upon completion of the RDI.

Based on TDEC's Early Implementation of the Selected Remedy Interim Remedial Action Completion Report comments and EPA's questions regarding zero-valent iron (ZVI), CH2M Hill obtained additional information regarding the various factors on ZVI's effectiveness, such as surface area, grain size and geochemical parameters. CH2M Hill prepared a technical memorandum (TM) that was being reviewed by internal team. Mr. Nelson provided information from the TM including implications for applying the ZVI-based remedies at Dunn Field, mainly to reduce spacing between injection points and to reevaluate the areas at which ZVI injection using the Ferox<sup>sm</sup> method would be most effective. The team discussed the ramifications of the information on the Source Areas and Off-Depot Groundwater RDs.

Mr. Nelson suggested that CH2M Hill include in the RDI TM the potential alternatives for treating the Source Areas groundwater and loess. Mr. Nelson anticipated submitting the TM entitled "Applicability of Iron-Based Remedies at Dunn Field" to the BCT around the end of October upon receipt of internal review comments.

Mr. Holmes noted that the master schedule would probably change based on the results of the RDI, especially if it identified the need for some form of SVE enhancement. Mr. Ballard offered insight and suggestions for handling a potential Record of Decision Explanation of Significant Differences (ESD) specifically to include the ESD public notification in the RD presentation. Mr. Ballard asked Mr. Morrison for input regarding the idea of focusing Source Area treatment on higher concentrations and allowing the remainder to be treated by the permeable reactive barrier (PRB). Mr. Morrison would need to see the Off-Depot Groundwater RD before providing any input. Mr. Ballard pointed out that there was an area of groundwater down gradient of the current PRB location that would need treatment.

#### ***Off-Depot Groundwater RD***

Mr. Nelson reported that CH2M Hill had submitted the PRB installation field trial cost proposal to the CEHNC and should receive the notice to proceed soon. He anticipated submitting the PRB Field Trial Work Plan to the internal team in early November and to the BCT on 22 November 2005. Mr. Nelson provided Mr. Holmes with an updated schedule for the PRB field trial and the Off-Depot Groundwater RD. Mr. Nelson indicated that he would be prepared to provide the 30% RD presentation to the BCT on 18 January 2006.


#### ***Offsite Plume – Northeast corner of Dunn Field***


Mr. Spann reported that work had been delayed due to the EPA's contractor mobilizing to the Hurricane Katrina area. He anticipated that work would be delayed until early December 2005.


Mr. Spann requested MACTEC assistance in notifying the community of the monitoring well installation to be conducted in the neighborhood. Mr. Dobbs agreed to provide support and directed Mr. Holmes to discuss this action with AFCEE.

*Next Meeting*

The BCT confirmed the next meeting will be on 15 November 2005 at the MACTEC office in Kennesaw, GA, with the project team meeting the afternoon of 14 November 2005. The BCT also confirmed the December BCT meeting for 15 December 2005 at CH2M Hill's office in Atlanta, GA.

 11/15/05  
DATE  
MICHAEL DOBBS  
Defense Distribution Center  
BRAC Environmental Coordinator  
BRAC Cleanup Team Member

 11/15/05  
DATE  
TURPIN BALLARD  
Environmental Protection Agency  
Federal Facilities Branch  
Remedial Project Manager  
BRAC Cleanup Team Member

 11/15/05  
DATE  
EVAN SPANN  
Tennessee Department of Environment and Conservation  
Memphis Field Office  
Division of Remediation  
BRAC Cleanup Team Member

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**ADMINISTRATIVE RECORD**

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