



# THE MEMPHIS DEPOT TENNESSEE

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## ADMINISTRATIVE RECORD COVER SHEET

AR File Number 845

**Final**

**Memphis Depot**

**BRAC Cleanup Team**

**Meeting Minutes**

**15 September 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 Superfund (TDEC)	615.532.0910
<b>Project Team</b>	<b>Organization</b>	<b>Phone</b>
Steve Youngs	MACTEC Engineering	770.421.3377
Tom Holmes	MACTEC Engineering	770.421.3373
Denise Cooper	MACTEC Engineering	901.767.1249
David Nelson	CH2M Hill	770.604.9182 ext. 394
John K. Miller	Mitretek Systems	703.610.2560

### ***Previous Meeting Minute Approval***

The BCT approved and signed the minutes from the 20 July 2005 meeting.

### ***Disposal Sites Remedial Action***

Mr. Holmes reported that completion of the remedial action at Disposal Sites 3 and 10 was still on hold pending receipt of funding and notice to proceed (NTP) from the Air Force Center for Environmental Excellence (AFCEE). Upon receipt of funding and NTP, MACTEC would require about 30 days to mobilize in order to complete the work plan and safety plan addendums with the appropriate review periods. Mr. Dobbs was working with AFCEE to facilitate the funding/contracting process.

### ***Early Implementation of Selected Remedy (EISR) Interim Remedial Action Completion Report (IRACR)***

Mr. Holmes stated the response to comments was submitted to the BCT on Monday, 12 September 2005. He summarized a previous conversation with Mr. Evan Spann regarding TDEC's comments; most of the comments would have to be addressed in the remedial designs (RD) as they generally addressed future remedial actions (RA), and that appeared to be acceptable to Mr. Spann. Mr. Holmes requested that the BCT review and approve the response to comments as soon as possible in order to distribute the final report in time for agency review and approval before 30 September 2005.

The team discussed the recent groundwater sample results as well as the future monitoring well installation and groundwater sampling activities planned for the EISR area. Mr. Ballard brought to the team's attention a Capstone Report regarding five-year review of permeable reactive barriers at other facilities.

***Dunn Field Groundwater Interim Remedial Action (IRA) and IRA Semi-Annual Report***

Mr. Holmes reported that all the recovery well (RW) pumps were operating. The pump in RW 1 was replaced following the inspection performed at the end of August. The pump was down for about two weeks. The team also identified additional system calibrations to improve system operations that will be completed at the end of September.

On 12 September 2005, Mr. Holmes distributed the IRA Groundwater Semiannual Operations Report for the first half of 2005 to the internal team for review with comments due by 28 September 2005. He reviewed with the BCT the contaminant mass removal data contained in the draft report and anticipated distributing the draft report to the BCT by 10 October 2005.

Mr. Morrison requested that MACTEC review past precipitation levels to help determine why captured contaminant levels had increased over the last several sampling events. Mr. Holmes indicated he would review the data and include applicable information in the IRA Groundwater Annual Operations Report scheduled for BCT review at the end of January 2006.

Mr. Ballard asked about the cost effectiveness of turning off some RW pumps. Mr. Holmes had someone working the calculations, but indicated that at this point MACTEC did not plan to recommend turning off any pumps.

**AI: MACTEC to evaluate past precipitation levels and include data in the IRA Groundwater Annual Operations Report.**

***Off-Depot Remedial Design (RD)***

Mr. Nelson included Mr. Peter Lawson from CH2M Hill's California office via conference call to discuss the recent groundwater modeling. Mr. Lawson described the assumptions and parameters used in the groundwater flow model followed by a discussion of the contaminant transport model simulations. Of the questions asked, Mr. Ballard suggested that the boundary condition description in the report indicate that the affects of pumping from the Allen Well Field was not included as a boundary condition for the intermediate aquifer; a U.S. Geological Survey (USGS) investigation indicated pumping from the Memphis Sand aquifer does affect the intermediate aquifer.

Mr. Lawson indicated that the conditions/assumptions of model were to show future concentrations down to non-detect levels. He offered to revise the figures to show future concentrations down to the remedial goals (Safe Drinking Water Act maximum contaminant levels [MCLs]) in order to avoid confusion about the extent of the area predicted to reach remedial goals within the given time frame. The team discussed the modeling and agreed the results were useful; additional review will take place once the model parameters and results are presented in a report.

Mr. Nelson anticipated receiving funding for the PRB Installation Field Trial by the end of September 2005, at which time CH2M Hill would complete and distribute the work plan for review. Mr. Nelson anticipated the contract for the field trial would go to Hayward Baker, Inc. (HBI). He indicated that consultations with HBI had prompted CH2M Hill to evaluate whether

to install the PRB as a panel or as a column. CH2M Hill was more inclined to have it installed as a series of columns, but that they may have HBI install the trial PRB using both methods. Mr. Nelson agreed to have HBI provide a presentation regarding their process at an upcoming BCT meeting.

The team discussed the need for the 30% Off-Depot Groundwater RD as it would be time to distribute the 60% by the time the PRB Installation Field Trial data was available. Further discussion was postponed until later in the meeting during the Schedule agenda item.

#### ***Source Areas Remedial Design Investigation (RDI) Field Investigation Work Plan***

Per Mr. Nelson, RDI field work was scheduled to begin on 26 September 2005, depending upon receipt of funding, and would continue for about 30 days. Drilling of monitoring wells was scheduled to begin 10 October 2005 and would continue for about 30 days. Mr. Nelson scheduled quick turn around on sample results with the laboratory so all data should be received by the end of November 2005. Mr. Holmes stated that Disposal Sites 3 and 10 were clearly marked and CH2M HILL should avoid drilling through them.

The team requested that Mr. Nelson provide a detailed presentation of the Source Area RDI data at the December BCT.

#### ***Offsite Plume – NE of Dunn Field (Wabash Avenue Investigation)***

Mr. Morrison reported that Mr. Evan Spann was unable to attend the meeting due to illness and that the monitoring wells for the EPA/TDEC investigation were not yet installed. He directed further questions to Mr. Spann, the TDEC lead for the investigation.

#### ***Main Installation Remedial Action Work Plan (RAWP)***

MACTEC received EPA and, by proxy, TDEC approval of the Rev. 1 RAWP. MACTEC was printing hard copies and would place the document in the Information Repositories. Mr. Holmes reported that MACTEC started the contracting process with AFCEE to move forward with remedial action.

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

According to Mr. Holmes, MACTEC was preparing the report for internal team review. The report would contain recommendations for additional well locations necessary to evaluate contaminant levels outside the treatment areas.

#### ***Community Involvement***

Mr. Holmes reviewed the figures proposed for visual aids. The team made many suggestions. MACTEC to prepare the poster boards for use at the October RAB meeting.

The agenda for the October RAB, which was awaiting DDC approval, included a general program update.

**AI: Send Jim Morrison and Evan Spann a copy of the meeting protocol distributed at the risk communication training.**

#### ***Schedule Review***

Mr. Morrison requested a schedule of current and future (year+1) documents/field work for use in preparing his DSMOA submission. The team provided input regarding sources of schedule

information. Mr. Dobbs would work through AFCEE if MACTEC assistance was needed to provide Mr. Morrison any additional information.

The team discussed how the upcoming field activities affected upcoming document submittals and questioned the need for the 30% and 60% Source Area and Off-Depot Groundwater RDs. The team requested that Mr. Nelson and Mr. Holmes evaluate the need for the secondary documents keeping in mind the team's intent to meet the scheduled final document submittal dates and, if appropriate, remove them from the schedule.

Mr. Holmes indicated that MACTEC distributed the Rev. 1 Interim Remedial Action (IRA) Groundwater Annual Operations Report for 2004 and that he was awaiting EPA's approval.

**AI: CH2M Hill and MACTEC to evaluate the need for the secondary documents (specifically, 30% and 60% Source Area and Off-Depot Groundwater RDs) and update the schedule as appropriate.**


***Next Meeting***

The BCT scheduled the next meeting for 20 October 2005 in Memphis with the RAB meeting that evening.



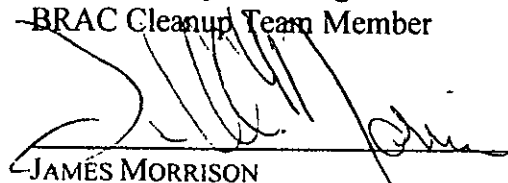
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DATE



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