

# THE MEMPHIS DEPOT TENNESSEE

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## ADMINISTRATIVE RECORD COVER SHEET

AR File Number 498

File:  
D.C. 212,700,000a

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**BRAC Cleanup Team**

**Meeting Minutes**

**April 19, 2000**

**Attendees**

<b>BRAC Cleanup Team</b>	<b>Organization</b>	<b>Phone</b>
Shawn Phillips	Memphis Depot Caretaker (Depot)	(901) 544-0611
Turpin Ballard	Environmental Protection Agency Region IV (EPA)	(404) 562-8553
Jim Morrison	TN Department of Environment and Conservation – Division of Superfund (TDEC-DSF)	(901) 368-7953
<b>Project Team</b>		
Brian Deeken	TDEC-DSF	(901) 368-7955
David Ladd	U. S. Geologic Survey	(615) 837-4773
John DeBack	Depot	(901) 544-0622
Denise K. Cooper	Depot	(901) 544-0610
Jack Kallal	Depot	(901) 544-0614
Dorothy Richards	Corps of Engineers	(256) 895-1463
John Rollyson	Corps of Engineers	(931) 455-6771
Peggy DuBray	Corps of Engineers	(931) 454-6630
Scott Bradley	Corps of Engineers	(256) 895-1637
Kurt Braun	Corps of Engineers	(334) 690-3415
Neil Anderson	Corps of Engineers	(901) 686-6195
Greg Underberg	CH2M Hill	(423) 483-9032
Stephen Offner	CH2M Hill	(770) 604-9182
Virgil W. Jansen	Sverdrup	(314) 770-4025
Kraig Smith	Sverdrup	(615) 331-9232
Roy Hoekstra	STEP, Inc.	(865) 481-7837
Doug Hawn	STEP, Inc.	(865) 481-7837

**Review of Previous Meeting Minutes**

The BCT discussed, approved and signed the March meeting minutes.

**Review of Open Action Items**

The BCT and project team reviewed and updated the action item list. The attached action item list contains completion dates for existing items and new items resulting from the April meeting.

## **Review of Project Status**

### ***Dunn Field Remedial Investigation/Feasibility Study***

Mr. Shawn Phillips contacted Belz Properties regarding property access to install additional monitoring wells west of Dunn Field. He indicated Belz Properties might not require the access agreement to specify the number of wells to be installed or the sampling criteria. His discussion with Belz Properties about the potential well locations brought up a question of who owns some of the residential lots. Maps indicating Belz Properties did not include some of the residential lots on Rozelle Street west of Dunn Field.

Mr. Ballard indicated that land ownership should not delay the project. He suggested that Mr. Phillips make a good faith effort to identify the landowner and then move on. Mr. Phillips directed Ms. Richards and Mr. Offner to look at city right of way areas and get access to those locations started. Mr. Phillips will continue to work the access agreement with Belz Properties. He will also take the plat map provided by Belz Properties to the local tax assessor's office to identify any other landowners.

Mr. Underberg and Mr. Offner presented the scope of additional Dunn Field groundwater sampling. Mr. Underberg wanted to leave the BCT meeting with the basis for the plan that would be presented for on-board review at the May BCT meeting. The work plan will include a decision matrix to address issue of installing more than one well.

Mr. David Ladd requested a monitoring well be completed near MW67 in the fluvial deposits or shallow water bearing zone to help answer questions about the potentiometric surface in that area. Mr. Morrison asked about the data quality objectives (DQO) matrix. Mr. Underberg and Mr. Offner discussed the matrix they prepared, and Mr. Morrison voiced his approval.

The BCT then discussed different drilling methods for installing the additional monitoring wells. According to Mr. Underberg, the rotasonic method heats soil in the saturated zone and may smear data results. Mr. Morrison and Mr. Underberg discussed different drilling methods to install wells and to collect samples with confidence in the results. The BCT also discussed the approach of installing wells to see how the clay stringers may be stair stepping dense non-aqueous phase liquids (DNAPLs) through the vadose and saturated zones.

### ***Old Paint Shop and Maintenance Area Removal Action***

Mr. Virgil Jansen introduced Mr. Kraig Smith as the on-site Project Manager for the old maintenance area and paint shop removal action; and he introduced Mr. Roy Hoekstra and Mr. Doug Hawn of STEP, Inc, the fieldwork subcontractor. Mr. Smith will have an on-site safety and health officer, and STEP will operate under Sverdrup's health and safety plan.

Mr. Jansen indicated that mobilization would begin May 1, 2000, if the waste disposal samples reflect conditions similar to conditions indicated in the EE/CA. Some asbestos must be removed before work can begin on the building interiors. Mr. Jansen said that for the shallow soil removal areas, the soil would be removed, loaded and transported the same day. All shallow removal areas will be backfilled with 12" of gravel.

The dry interior cleaning would occur at the same time as shallow soil removal. Power washing of building interiors would begin after completing the dry interior cleaning.

Procedures for the deeper excavations are to remove the soil, stockpile it in Building 1089 (either on plastic and covered with plastic or in roll-offs), sampled for disposal purposes, and, if non-hazardous, transported to the BFI North Landfill. The deeper excavations will be backfilled with compactable material.

Mr. Phillips asked if the shallow and deeper excavations were inside the fence line or outside. Mr. Jansen responded that the area outside the fence (Area A) was no longer part of the scope of work but may be

reincorporated if pre-screening samples collected earlier in the week indicate the source of elevated PAHs levels to be the Depot.

Mr. Jansen anticipated this removal action would be completed by July 2000.

Mr. Ballard asked if Sverdrup would prepare a closeout report, and Mr. Jansen said, "Yes." Mr. Phillips suggested Sverdrup look at and follow the format of closeout reports prepared by OHM/IT for the family housing area removal action and cafeteria removal action.

### ***Dunn Field Chemical Warfare Materiel Removal Action***

Mr. Phillips reported that the Department of Army Explosives Safety Board had approved the Site Safety Submission. Mr. Phillips also reported that he and Mr. Clyde Hunt, On-site Coordinator for the CWM removal project, had attended several meetings in the community – Hays-Mason Neighborhood Association meeting and Dunn Road Elementary School faculty meeting. The meetings were very beneficial, he said. The first weekly update briefing was conducted on April 12, 2000, but no community members attended.

Mr. Phillips told the project team that DLA had received a letter from the DDMT-CCC requesting the project be delayed. DLA had determined not to delay the project and would respond to the request. Mr. Phillips reported that intrusive activities were scheduled to begin April 24, 2000, if all went well with the pre-operations survey scheduled to begin April 18, 2000.

The BCT then discussed the hazardous/toxic waste sampling plan for the CWM removal areas. Mr. Offner indicated CH2M Hill was scheduled to meet with UXB International the week of April 24 to discuss the sampling rationale. Mr. Phillips asked if UXB had any conflicts with the sampling plan, and Mr. Offner responded that CH2M Hill and UXB were working any conflicts. UXB was willing to split samples, but UXB's samples must be screened for CWM and be "CWM clean" before the split samples could be shipped to the laboratory. Mr. Deeken asked if the split samples to be sent to the laboratory would have gone through UXB's analysis. Mr. Offner responded no, CH2M Hill would receive a non-analyzed sample.

Mr. Ballard requested clarification about the number of samples for site 24B as it appeared there were not enough samples for the floor space indicated in UXB's plan. Mr. Offner responded that the plan called for UXB to collect screening samples in the trenches. When UXB finished the excavation, confirmation samples will be collected. Mr. Ballard indicated his concern was resolved. Mr. Phillips suggested that the sampling plan language should reflect issue of an excavation being larger than indicated in UXB's plan – how many samples per square foot. Mr. Offner agreed to provide UXB with the BCT's discussion and basis for sampling rationale for use in the field.

Mr. Ballard asked if the sampling methods included the 1997 EPA sampling methods update, and Mr. Offner responded the sampling plan included the updated methods. Mr. Ballard asked why the plan did not indicate use of photo ionization detector. Mr. Offner said that UXB samples would be analyzed with a flame ionization detector that would identify the remedial investigation compounds of concern. Mr. Ballard indicated his concern was resolved.

### ***Main Installation Remedial Investigation/Feasibility Study***

Mr. Ballard began the discussion by requesting additional data for EPA's review of the draft Recreational Land Use Technical Memorandum. Mr. Phillips directed the Corps and CH2M Hill to provide, electronically, the data EPA required as well as the location information for the Venture Capital data. Mr. Phillips agreed to provide the Venture Capital data including sample depth to EPA. He reminded Mr. Ballard that the CD-ROMs provided with the final Main Installation Remedial Investigation Report contained the data, but that CH2M Hill may need to provide sample location latitude and longitude points. Mr. Ballard indicated he would ask Dr. Ted Simon if he could use XY coordinates or if he needed lat/long.

The BCT said that Mr. Ballard needed to answer the question, "If the Venture Capital data was incorporated into the Recreational Land Use Technical Memorandum, would it give the BCT a better basis to select an alternative." Mr. Ballard would suggest to Dr. Simon that he and Dr. Ruth Chen, Tennessee Department of Health, discuss the issue. The BCT agreed that EPA would provide an answer to the question by May 5, 2000 and discuss the issue via email to decide if the data should be included.

Mr. Phillips and Mr. Ballard had reviewed the Main Installation Feasibility Study schedule and submitted a revised schedule for discussion. Mr. Phillips presented DLA's Record of Decision (ROD) approval process: the Base Commanding Officer would sign RODs, so the Commanding Officer for the Defense Distribution Depot Susquehanna, PA would sign RODs for the Memphis Depot Caretaker. DLA reserved the right to review any RODs prior to signature. Mr. Ballard indicated EPA would sign the ROD after the lead agency signed it. Mr. Morrison indicated TDEC would not sign the ROD, since EPA was signatory, but would provide concurrence letter. Mr. Phillips indicated his command would not sign a ROD until TDEC provided a concurrence letter.

The proposed schedule called for CH2M Hill to begin working on the ROD as soon as the public comment period started for the Proposed Plan. This would allow time to prepare a good draft ROD. If the Depot received significant public comments, the BCT would address the comments and forward the information to CH2M Hill for incorporation into the draft ROD. Mr. Phillips reminded the BCT that the draft ROD would not include the public comment Responsiveness Summary. Mr. Ballard agreed and indicated that the BCT, with technical support from CH2M Hill, may have to respond quickly to significant public comments, but that the ROD preparation process would go on. He also reminded CH2M Hill to see the newest EPA ROD guidance dated 1998. Mr. Ballard also instructed Mr. David Ladd to ensure Dr. Tom Byl would be available to review the ROD within the specified schedule. Mr. Phillips said he would incorporate the discussion into the schedule and would resubmit the schedule after the BCT meeting.

Mr. Morrison asked if a groundwater conceptual model incorporating the newest data would be included in the FS. Mr. Offner and Mr. Underberg indicated it would as CH2M Hill had spent lots of time addressing Mr. Morrison's comments regarding the groundwater conceptual model. They want to show the evolution of the model from the start of the project.

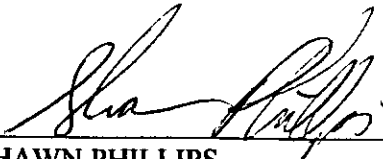
Mr. Ballard asked if the figures would be consistent between the final Main Installation RI Report and the draft final Dunn Field RI Report. Mr. Offner responded that the figures should be the same if they relied on the same data set. Will the groundwater conceptual model in the final Main Installation FS include all data gathered to date? Mr. Underberg responded that the monitored natural attenuation data did not change the conceptual model, with the exception of a data point outlier. Data was collected for the Main Installation RI, and a conceptual model was created and placed in the appropriate Fate and Transport section of the report. The conceptual model in the final Main Installation RI has not changed. This conceptual model will be included in Chapter 1 of the draft Main Installation FS with a discussion about the development of the conceptual model to include data collected to date.

Mr. Morrison indicated that the RI should start with the conceptual model on which sampling was based. The RI should show where the process started and if the data confirmed the model, or not. The BCT discussed with Mr. Ladd the groundwater data regarding the "trough" feature on the Main Installation and the philosophy of the FS to identify a remedial action approach for keeping contamination identified at the Main Installation in the fluvial aquifer on the Main Installation. Mr. Offner indicated that the data that will be collected over the next several weeks would not be incorporated into the Main Installation FS because it affects only the Dunn Field RI.

#### **Other Items of Discussion**

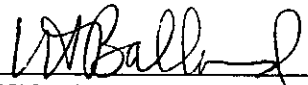
The BCT agreed to conduct an on-board review of the scope of work for Additional Dunn Field Offsite Groundwater Sampling at the May BCT meeting. They agreed that more time than the usual meeting would be required. Mr. Phillips agreed to coordinate a meeting schedule with the project team (as of the

writing of these minutes, the BCT meeting shall begin on Wednesday, May 17, 2000, at 12 00 p.m until that evening The meeting will resume Thursday, May 18, 2000, at 8:30 a.m until 11:00 a.m )

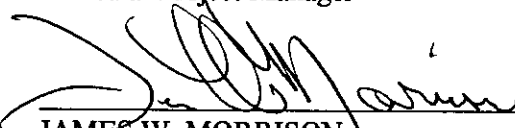
  
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SHAWN PHILLIPS

Memphis Depot Caretaker  
BRAC Environmental Coordinator

5/17/00  
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DATE

  
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TURPIN BALLARD  
Environmental Protection Agency  
Federal Facilities Branch  
Remedial Project Manager

5/17/00  
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DATE

  
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JAMES W. MORRISON  
Tennessee Department of Environment and Conservation  
Division of Superfund  
BRAC Cleanup Team member

5/17/00  
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DATE

**FINAL PAGE**

**ADMINISTRATIVE RECORD**

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