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THE MEMPHIS DEPOT
TENNESSEE

ADMINISTRATIVE RECORD
COVER SHEET

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FINAL

BRAC Cleanup Team

Meeting Minutes

August 24, 2000

Attendees on August 24, 2000

BRAC Cleanup Team	Organization	Phone
Shawn Phillips	Memphis Depot Caretaker (Depot)	(901) 544-0611
Turpin Ballard	Environmental Protection Agency Region IV (EPA)	(404) 562-8553
Project Team		
Brian Deeken	Tennessee Department of Environment and Conservation, Memphis Field Office, Division of Superfund (TDEC)	(901) 368-7955
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
Scott Bradley	Corps of Engineers	(256) 895-1637
John Rollyson	Corps of Engineers	(931) 455-6771
Peggy DuBray	Corps of Engineers	(931) 454-6630
Kurt Braun	Corps of Engineers	(334) 690-3415
Neil Anderson	Corps of Engineers	(901) 225-9817
Ken Shott	Corps of Engineers	
Stephen Offner	CH2M Hill	(770) 604-9182
Virgil Jansen	Jacobs/Sverdrup	(314) 770-4025
Trevor Smith Diggins	Frontline Corporate Communications	(888) 848-9898

Review of Previous Meeting Minutes

The BCT discussed, approved and signed the July meeting minutes

Review of Project Status

Dunn Field Groundwater Pumping System

Mr. Virgil Jansen said the contract was awarded on July 26. The pre-construction meeting was held on July 22. The Work Plan, Site Safety and Health Plan and Quality Control Plan were provided to the Depot on August 3. Mr Shawn Phillips provided these documents to the BCT on August 24 for 30-day review and comment. Comments are due to Mr Phillips by September 22.

Mr Jansen indicated that the process to plumb the wells was the same as on existing recovery wells, therefore the work plan review should not be extensive. The project is scheduled to begin on October 9

with the removal of the existing system on RWs 4 through 9 in order to replace the pumps Mr Turpin Ballard questioned the need to replace the pumps and asked when the decision had been made. Mr. Jansen and Mr. Phillips indicated that the pumps were too big for the amount of water actually available and that the 100% design for the 4 additional recovery wells included the smaller pumps Mr Ballard did not recall the 100% design Subsequent discussion revealed that it may not have been distributed for BCT review. However, the remedial design is a primary document under the Federal Facilities Agreement. Mr. Phillips will look into the January 2000 distribution of the 100% design

Mr Jansen continued that the recovery well operations and maintenance (O&M) plan called for the entire system to be shut down Mr. Jansen indicated he was preparing a letter for Mr Rollyson asking if the shutdown could coincide with installation of the additional recovery well discharge piping system Mr Jansen requested BCT permission to do so now in order to complete the piping project and bring the system back to full power faster than shutting down each well one-by-one.

Mr. Ballard questioned the need for a complete system shut down Mr. Jansen and Mr. Steve Offner responded that after two years of pumping the shutdown would 1) re-establish baseline conditions from the original baseline of November 1998, 2) measure static water levels during draught conditions, 2) provide opportunity to recalibrate the transducers, and 3) measure the rebound in the wells for use in Waterways Experiment Station (WES) groundwater modeling.

The BCT agreed to follow the approved O&M plan and conduct a full system shutdown. The BCT agreed to the following sampling schedule

Shutdown October 9:	Daily monitoring for 14 days or if system reaches 95% static level
Re-start RW3 – RW9.	Daily monitoring for 7 days then bi-weekly monitoring per the O&M plan
Start New Wells:	Daily monitoring for 7 days then bi-weekly monitoring per the O&M plan
'All wells on-line'	January/February 2001

Mr Offner indicated any groundwater data collected during the system shutdown would be included in the Dunn Field Remedial Investigation. Mr Ballard reminded the project team that the Dunn Field RI report must address the effectiveness of the Interim Remedial Action (IRA) for Groundwater in containing the plume in order to develop the final Record of Decision regarding groundwater at Dunn Field. The Quarterly Groundwater Report must show how the extraction system is meeting the objectives of the Interim Remedial Action. Therefore, in order for all the separate documents to show how the IRA is meeting the objectives, all the documents must use the same maps.

The BCT and project team then discussed how the data would be incorporated into the Remedial Investigation (RI), the Quarterly Groundwater Report and the Waterways Experiment Station groundwater model Jacobs/Sverdrup will collect the data and provide it to CH2M Hill and WES CH2M Hill and WES will analyze the data and prepare the appropriate contour maps, and CH2M Hill will provide the appropriate maps to Jacobs/Sverdrup for use in the Quarterly Groundwater Report.

Mr Jansen brought the conversation back to the O&M plan and offered the following suggestions

- Delete items from the Sampling and Analysis Plan that haven't been found (For this to happen, Mr. Phillips requires the appropriate data in a form suitable to send to the city requesting a modification to the existing sanitary sewer discharge agreement.);
- Include a contaminant mass removal report,
- Delegate data analysis and production of contour maps to one organization and include specific electronic specifications/instructions for delivering data and distributing maps; and

- Set aside a specific dollar amount to repair/replace worn parts instead of having to modify the contract to replace a worn valve

Mr John Rollyson confirmed that the BCT required 30 calendar days to review the O&M plan amendment From his part experience with addendums to the O&M plan, Mr. Offner suggested that the BCT receive an addendum that highlighted changes to the existing plan for review and approval. The highlighted items are then worked into the plan and the whole package is distributed as a final product

Ms Richards will provide Mr. Braun a government estimate for O&M Mr. Braun will provide the estimate to Mr Mike Dobbs of the Defense Distribution Command to begin the funds transfer

Mr. Phillips directed Ms Dorothy Richards and Mr Offner to provide the BCT with the 3rd year amendment to the existing recovery well O&M plan by September 15.

Old Paint Shop and Maintenance Area Removal Action

Mr Virgil Jansen reported that all the waste (dust and underground storage tank residue) was removed on August 14 for proper disposal at a permitted facility He also reported that the last excavation area was filled Mr Jansen will send the project closure report to Mr. John Rollyson on September 18, 2000, who will then distribute it directly to the BCT, under cover letter to be provided by Mr. Phillips The waste disposal manifests will be provided to the BCT as soon as they are returned to Jacobs/Sverdrup from the receiving facility. Mr. Phillips approved of receiving the project closure report without the waste disposal manifests as the BCT needed to review the sampling data to confirm the results.

Mr. Jansen indicated all workers had demobilized on August 16, 2000 Mr. Phillips will write Mr Ballard a letter providing the project demobilization date.

Mr. Jansen then provided the Depot with a draft project presentation for the September RAB. Mr Phillips indicated he specifically wanted to see information regarding air monitoring and dust control information

Chemical Warfare Materiel (CWM) Removal Action

Mr. Ken Shott reported that work at Site 1 was completed, but no Chemical Agent Identification Sets were located Chemical Warfare Service items were found including the K941 glass bottles used in the M-1 Toxic Gas Set and water purification tablets. They also found some broken dinnerware plates Mr. Shott expected demobilization from Site 1 by August 26, 2000.

It will take approximately 7 days to move the vapor containment structure to the next site, depending on the wind Memphis Light, Gas and Water was prepared to turn off the lower power line in order for UXB to move the VCS intact.

Mr. Shott indicated intrusive work would begin on the bomb casing site (Site 24A) by September 6, 2000 He indicated that Mr Jeff McCauslin of the Defense Distribution Depot Susquehanna, PA, had approved this schedule.

Regarding Site 24A, Mr Shott reported that magnetic investigation had identified very large pieces of metal in a pit that was approximately 130 feet long by 82 feet wide. Excavation of this pit will start close to the fence line and will then move forward. Mr. Shott anticipated completion of work in the recovery well discharge piping system area in time for Jacobs/Sverdrup to begin their work Mr. Jansen asked who would advise Jacobs/Sverdrup when the area was cleared and the recovery system work could begin. Mr. Braun responded that UXB managed the CWM work zone and would provide Mr. Jansen with the "all clear."

Mr. Phillips then reported on the August 9, 2000, CWM project meeting with the Corps, DLA and DDC. The revised schedule with no time/cost savings measures indicated the project would be complete in May 2001 The Corps was evaluating some time/cost savings measures including exploratory borings and a

larger vapor containment structure for use on Site 24B. DLA will seriously consider the Corps time/cost savings measures

The Corps wanted to take two of the four air filters for use on the upcoming Ogden removal project, but DLA disapproved that request. All four filters will be used in Memphis.

Mr. Phillips notified Frontline that the CWM project extension would be announced at the September RAB meeting.

Dunn Field Remedial Investigation/Feasibility Study

Mr. Offner distributed the draft Remedial Investigation Field Sampling Plan Addendum II for Dunn Field for 30-day review. Comments are due by September 25, 2000.

Mr Ballard requested that all approved standard operating procedures be placed in the Quality Assurance Project Plan and incorporated into sampling plans by reference

Mr. Phillips indicated that DLA had initiated a remedial process optimization peer review of the Depot and that the addendum included some resulting suggestions Mr Ballard asked if the peer review would continue for all future documents, as EPA did not want to review and provide comments on documents that would change by peer review

Some suggestions, however, were not included such as a soil gas sampling technique that had not been approved by EPA. Mr. Offner indicated one suggestion that had been incorporated into the addendum was to collect subsurface soil from 35 feet to the water table. Mr. Brian Deeken commented that if a suggestion would help build a case for a remedial action at Dunn Field or if it provided a case for not doing a certain type of remedial action, then incorporate the suggestion.

Mr Phillips and Mr Offner voiced concern at the suggestion to install soil vapor extraction (SVE) wells with monitoring points in anticipation of a pre-design pilot test. Mr Phillips felt it was pre-deterministic Mr Ballard disagreed because SVE is an EPA-approved presumptive remedy and SVE wells would provide good engineering data to help evaluate alternatives. He suggested including the concept in the addendum that pilot test SVE wells could be constructed during the remedial design or before the record of decision with a statement regarding the need for BCT approval before implementation

The BCT then discussed the need to install MW86 from the Dunn Field addendum during the Main Installation pre-design data collection project, as it will help identify geologic conditions in the northern portion of the Main Installation The BCT concurred that MW86 will be installed with the other Main Installation pre-design data collection monitoring wells

Mr. Phillips requested clarification regarding the need for MW87 as it was very near MW40 Mr. Offner replied that MW87 would be screened in the fluvial aquifer because MW40 appeared to be screened in the deeper sands. MW40 responded to pumping like the other Memphis Sand wells and was causing problems with fluvial aquifer groundwater modeling. Mr. Offner continued that they hoped to find higher water with MW87. The addendum called for the well to be installed to the base of the fluvial deposits. If there is no water there, then the well will be closed

Mr Phillips will work property access for the wells, but requested assistance from Mr Offner and Ms. Richards Mr Ballard thanked Mr. Offner for including Mr. David Ladd of the U S Geologic Survey in the well placement discussions and said that Mr Ladd was ecstatic with the proposed locations.

Mr. Ballard, at the beginning of the meeting, asked if the recovery well boring logs had been included in this sampling plan addendum Mr Offner responded that each recovery well was discussed, but the logs were not included. The final information from all the recovery wells could be pulled into the Dunn Field Remedial Investigation

No Further Action Sites in the Main Installation Record of Decision

Mr. Offner indicated that the No Further Action (NFA) sites were not identified as such in the Record of Decision because the Institutional Controls required for the Main Installation will also apply to the NFA, so there will be an action.

A discussion of residential cleanup scenarios will not be included in the ROD as the risk assessment indicated unacceptable risks to future residents, except at the housing area. The ROD will indicate the future industrial reuse identified in the Memphis Depot Redevelopment Plan

9/21/00

SHAWN PHILLIPS — DATE
Memphis Depot Caretaker
BRAC Environmental Coordinator

9/21/00

TURPIN BALLARD — DATE
Environmental Protection Agency
Federal Facilities Branch
Remedial Project Manager

10-6-00

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

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