

THE MEMPHIS DEPOT TENNESSEE

ADMINISTRATIVE RECORD COVER SHEET

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Defense Distribution Depot Memphis, Tennessee

**Meeting Minutes
BRAC Cleanup Team**

April 23, 1998

**Meeting Minutes
BRAC Cleanup Team
April 23, 1998**

In Attendance

<u>Name</u>	<u>Organization</u>	<u>Phone</u>
Kurt Braun	COEMDO	(334) 690-3415/2327
Jordan English	TDEC/DSF	(901) 368-7953
Ramon Torres	USEPA/Region IV	(404) 562-8513
Jack Kallal	DDSP-FE	(901) 544-0614
Pam Gowdy	DDSP-FX	(901) 544-0605
John DeBack	DoD Base Transition Field Office	(901) 544-0622
Michael Lee	DDSP-FE	(901) 544-0612
Phil Amido	DDSP-FD	(901) 544-0615
Denise Cooper	DDSP-FE	(901) 544-0610/0639
Dana Conkin	COE	(901) 775-6290
John Rollyson	COE	(931) 455-6771
Dorothy Richards	CEHNC-PM	(205) 895-1463
Scott Bradley	CEHNC	(205) 895-1637
Greg Underberg	CH2M HILL	(423) 483-9032
Terry Flynn	Frontline	(888) 848-9898

Status of March BCT Action Items

Disposition of March Action Items			
Action Item	Responsible Party	Date	Status
Respond to comments on pond risk assessment	COE Mobile – Ellis Popc	4/10/98	Figure 4.1, Proposed Sediment Sampling Locations, needs to be provided to TDEC and EPA before comments can be finalized.
Research reported fish kills in lakes.	DDSP-FE/Shawn Phillips	4/23/98	Shawn Phillips completed a memorandum of record regarding fish kills. See discussion below.
Edit March BCT Meeting Minutes and issue for signature.	DDSP-FE/Shawn Phillips	3/31/98	Minutes were issued for signature.
Research glass containers at Dunn Field.	Kurt Braun (Aniston), Dorothy Richards (USACHPPM), Phil Amido (Ft. Lee)	4/23/98	Aniston not able to identify. No response yet from USACHPPM and Ft. Lee. See discussion below.
Review EPA Landfill/Presumptive Remedies	DDMT-FE/Glenn Kaden EPA/Ramon Torres TDEC/Jordan English	TBD	Review not completed. Scheduled for completion by May BCT.

Disposition of March Action Items			
Action Item	Responsible Party	Date	Status
Respond to EPA Groundwater Report Comments.	CH2M HILL	4/16/98	Comment responses e-mailed to EPA. Hardcopy and cover letter provided to EPA, TDEC, DDSP, and CEHNC during April BCT.
Comments on response to dieldrin meeting minutes.	DDSP/EPA/TDEC	4/23/98	E-mail comments from TDEC received. Final meeting minutes are pending EPA comments.
Provide map of proposed fence at housing area.	DDSP-FE/Shawn Phillips	3/20/98	Action completed.
Parcel 4 FOSL	DDSP-FE/Glenn Kaden		Action completed.
Submit Dunn Field TCLP analysis data to TDEC	OHM/Steve Offner	4/10/98	Action completed.
Evaluate dieldrin concentrations in surface soil. Modify CERFA category.	CH2M HILL	4/23/98	Action completed and documented in final PRE.

Action Items from April BCT Meeting

Action Items from April BCT Meeting		
Action Item	Responsible Party	Date
Distribute the missing Figure 4.1 with the Golf Course Ponds Risk Assessment document.	Kurt Braun/CEMDO	4/27/98
Schedule Course Ponds Risk Assessment conference call	Shawn Phillips/DDSP-FE	5/4/98
TDEC confirm that a shock boat can be used at Lake Danielson and the Golf Course Ponds and determine if TDEC's shock boat can be used at DDMT.	Jordan English/TDEC	5/7/98
Continue glass vial research with Brook Army Medical Center and the United States Army Center for Health Promotion and Preventive Medicine (USACHPPM).	Dorothy Richards	May BCT
Evaluate and approve CERFA category changes based on PRE.	BCT - evaluation. Greg Underberg - prepare CERFA status	May BCT
Coordinate with TDEC UST group and attempt to expedite TDEC approval of UST removal.	Jordan English/TDEC	May BCT
Coordinate response to outstanding EPA comments on the Corps of Engineers Waterways Engineering Station (WES) groundwater model. WES, EPA, TDEC, DDSP-FE, CEHNC, and CH2M HILL attend meeting in Memphis to discuss further groundwater modeling efforts.	Dorothy Richards contacts WES to discuss comments and set up Memphis meeting	Hold meeting in Memphis on 5/1/98

Attend partnering conference in Jackson, TN.	Invited attendees from BCT, DDSP-FE, Corps of Engineers, CH2M HILL, and OHM	6/1 and 6/2/98
Review landfill presumptive remedy guidance.	Ramon Torres	May BCT
Provide 3 rd quarter groundwater monitoring report comments.	Ramon Torres	5/7
Provide response to EPA comments on the vertical profile sampling plan.	Greg Underberg	5/14
Dr. Ted Simon provide comments on dieldrin meeting minutes. Provide final dieldrin meeting minutes.	Dr. Simon provide comments. Greg Underberg provide final meeting minutes	5/7 for comments. Final meeting minutes by 5/14.
EPA provide Parcel 4 FOSL comments to TDEC.	Ramon Torres	5/7
Submit invitation letter to TDEC requesting Jordan English to attend the BCT Meeting in St. Louis.	John DeBack	5/1
Kurt Braun to provide to TDEC the draft sampling plan for the residential area soil removal.	Kurt Braun	5/11
Prepare strawman documentation for BRAC/CERCLA strategy. Present in May BCT.	CEHNC, CH2M HILL	May BCT
Develop DDMT project procedure for managing and archiving objects discovered during field operations.	CEHNC, CH2M HILL	TBD
Prepare response to Greater Memphis Environmental Workgroup regarding how environmental decisions were made.	BCT and Terry Flynn	Before 5/22
Prepare well location memorandum justifying offsite well locations.	CH2M HILL	5/8

Meeting Minutes

May BCT Facilitation and Meeting Minutes Approval

Shawn Phillips, the acting BRAC Environmental Coordinator, was not present. Jordan English/TDEC volunteered to facilitate the April BCT.

The February and March BCT Meeting Minutes were approved and signed.

Lake Danielson and Golf Course Pond Fish Kills and Ecological Risk Assessment

Shawn Phillips completed a technical memorandum regarding the reported fish kills in Lake Danielson and the Golf Course Pond. Jordan English said that he discussed fish shocking with staff at TDEC who indicated that fish shocking should work in water bodies the size of those at DDMT. Mr. English questioned why it was not done to obtain samples from edible fish tissues, rather than the inedible ones reported in the risk assessment. Mr. English indicated that he would check on the availability of TDEC's fish shocking boat for use at DDMT.

Jack Kallal/DDSP-FE said that he recalled that in 1976 or 1977 DDMT applied herbicides to Lake Danielson to eliminate some lily pads. The herbicides resulted in a large fish kill. Fishing was subsequently discontinued at the pond.

There was some discussion about whether Lake Danielson or the Golf Course Pond would exist after transfer of the Parcels. Phil Amido said that there were no plans to fill in either body of water. John DeBack suggested establishing covenants to restrict fishing. Jordan English said that covenants were not reliable or enforceable and were therefore not a preferred means of risk management.

Dunn Field Vials

Kurt Braun reported that the Aniston facility was not able to identify the vials that were encountered in Dunn Field. Dorothy Richards had just received the photographs this week and had not yet received confirmation by USACHPPM on the vial identification.

Ramon Torres wanted clarification that TCLP results from the excavated soil indicated that the soil containing the vials was not hazardous. Greg Underberg said OHM crushed the vials in the soil and the TCLP analysis of the soil/vial matrix indicated that the material did not meet the criteria for hazardous waste set forth in the Resource Conservation and Recovery Act. Ramon stated that if the vials could not be identified, the materials in the vials may have to be sampled. Greg Underberg suggested that the type of material (e.g., biomedical waste) in the vials should be identified so that the analytical methods could be tailored to the class of chemicals of concern. It will be difficult to obtain enough liquid volume from the small (<5 milliliters) vials for a wide range of analyses.

The number of vials removed was discussed. The phrase "thousands of vials" was mentioned in the March RAB Meeting, but this referred to the number of vials potentially in the Dunn Field soil, not the actual number removed. It was estimated that about 15 vials were observed on the surface of the pile of soil removed from the trenches. All of the vials have been disposed with the soil in a municipal landfill. Both Jordan English and Ramon Torres stressed obtaining detailed field notes and photographs to identify materials that may be encountered in the future.

It was agreed that a plan would be developed describing how to manage unknown objects that may be encountered during fieldwork. The plan would address points of contact, what type of information should be collected, agency notification, and how to archive such objects. It was agreed that CH2M Hill would prepare a project plan as part of the Dunn Field Remedial Investigation effort. The plan would not be specific to any contractor and would incorporate use of DDMT equipment and staff.

Status of Dunn Field Interim Remedial Action

John Rollyson reported that all of the groundwater transfer piping is in place and is buried. The seven wells comprising the Phase I well installation are installed and developed. There is a problem with well RW-5. When first installed, RW-5 had very low recovery which was thought to be the result of a poor bentonite seal that allowed grout to contaminate the well screen and filter. RW-5 was abandoned (grout plugged) and the replacement well, RW-5a, was drilled 20 feet north of RW-5. This well also has low yield (less than 1 gallon per minute). It is likely that the screen and filter are plugged with fine material that was observed to have filled the well from a gravel unit near the bottom of the fluvial aquifer during installation of the screen and filter pack. A sieve analysis of the aquifer material in the production zone did not identify low permeability (high clay content). OHM is currently evaluating proposals for well rehabilitation that could clean out the fine materials.

OHM is projecting being ready to tie into the City Sewer system by July 14, 1998.

Ramon Torres and Jordan English said that WES had not responded to comments made by the United States Geological Survey (USGS) on the most recent groundwater modeling report. Mr. Torres and Mr. English were both concerned that there not be any outstanding issues before the WES model is used to evaluate the performance of the Phase I wells. It was agreed that a meeting should be held in Memphis between WES, USGS, TDEC, EPA, and CEHNC to discuss the WES modeling effort and the data that would be collected to support further modeling.

It was determined that a public comment period for Finding of Suitability to Lease (FOSL) documents was not necessary.

Soil Removal Action Status

There was some discussion whether the soil removal at the Building 274 Cafeteria, Site 48 in Parcel 5, should be considered a time critical action. EPA and TDEC concurred that because of the need to expedite lease or transfer of Parcel 5, the action should be considered time-critical. Accordingly, EPA and TDEC will review the workplans and not the design documents.

Greg Underberg said that the only removal actions that were currently being considered are the soil removals at the residential area, currently being contracted, and the cafeteria which is about to be designed.

Kurt Braun said that he would like the removal contractor to begin the soil characterization sampling at the residential areas prior to review and approval of the workplans by EPA and TDEC. Jordan English said there was no problem with that provided that it was understood that TDEC could require resampling if TDEC disagreed with the sampling plan.

Ramon Torres stressed that the removal actions needed to meet RI requirements; specifically that data collected would meet RI characterization and risk assessment requirements.

Background Characterization Report

CH2M Hill's response to TDEC comments was discussed. It was agreed that sample-specific data summaries will not be provided since the data will not be used in the development of background statistics for each constituent and matrix. The final background report will be submitted on May 15, 1998.

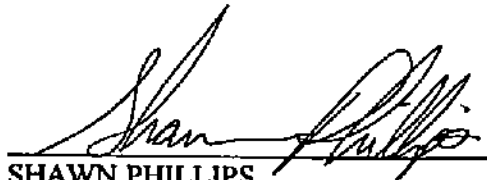
RAB Meeting Agenda and Minutes

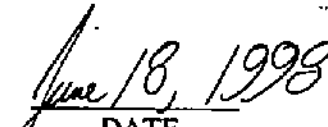
In response to a request by the RAB for more detailed meeting minutes, Terry Flynn produced 76 pages of transcription meeting minutes from the March RAB Meeting. Jordan English agreed that non-interpreted meeting minutes did not have the potential to bias what was said, but stated that they were also time consuming to read and understand. Terry Flynn suggested attaching a cover letter to the distributed minutes explaining the amount of verbiage and indicating that the meeting minutes would be discussed at the next RAB Meeting.


The following topics were identified for the May RAB agenda:

- Review of the April and May BCT Meetings
- Discussion of the RAB charter provided by the charter subcommittee

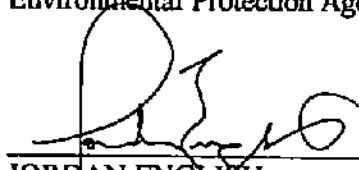
- Discussion of the verbatim meeting minutes
- Status of the Dunn Field vial identification

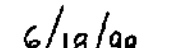

SHAWN PHILLIPS
Memphis Depot Caretaker
BRAC Environmental Coordinator (Acting)


DATE


DANN SPARIOSU
Environmental Protection Agency


DATE


JORDAN ENGLISH
Tennessee Department of Environment and Conservation


DATE

BCT MARCH MEETING

April 23, 1998

Agenda

Primary Agenda Items:

- 8:30 Sign February Minutes (Pending Approval of Single Sentence Change)
Review and Approve March BCT Meeting Minutes
- 9:00 March Action Item Review
- 9:10 Dunn Field Glass Vials Research Results
- 9:20 COE Brief of Dunn Field IRA Progress
- 9:30 CH2M Hill Dunn Field IRA O & M Plan and Early Removal Actions
- 10:00 CH2M Hill Groundwater Monitoring Report Comment Response and Background Report Comments
- 10:10 Golf Course Exposure Discussion
- 10:20 Fish Kill Reports (Schedule Conference Call re: Risk Assessment Comments)
- 10:40 Housing Removal Status and Underground Storage Tank Project Update
- 10:50 March RAB Meeting Minutes and May RAB Meeting Agenda Topics
- 11:00 Establish Action Item List
- 11:10 Establish May BCT Meeting Agenda
- 11:20 BCT Partnering Session Date

Afternoon Items:

(capture general notes, not detailed minutes)

- CERFA Letter Training (EPA Lead)



DEFENSE LOGISTICS AGENCY
 MEMPHIS DEPOT CARETAKER
 2163 AIRWAYS BOULEVARD
 MEMPHIS, TENNESSEE 38114-5210



IN REPLY
 REFER TO

DDSP-FE

APR 24 1998

MEMORANDUM FOR RECORD

SUBJECT: Stormdrain Inspection and ATSDR Site Visit on April 24, 1998

In preparation for the Agency for Toxic Substances and Disease Registry stormdrain site visit, I drove around to visually inspect the stormwater outfalls. At Outfall 4, which drains the Korean War Typicals and connects to the drain from Lake Danielson, I noticed cut grass and leaves clogging to the drain. Upon closer examination I noticed an oil sheen area approximately 2 feet in diameter. I went into the drain to further investigate the sheen to determine a possible source. The sheen was oily and was quite fragrant.

I then drove past McAuley's Potpourri and did not notice any outside washing operations being conducted. Upon returning to Building 144, I notified Pam Gowdy and Mike Lee to the situation. Ms. Gowdy contacted Harold Roach, Jim Covington, John Lewis and John DeBack. We all then returned to Outfall 4.

Mr. Covington notified McAuley's of the situation, and Tony Miller joined us at the Outfall. Mr. Lee took video footage of the situation. Mr. Roach noticed an unusual green color to the water, which we suspected was a dye used by McAuley's.

Mr. Lee instructed Mr. Roach to have the spill kit from Building 770 brought to the Outfall. Mr. Lee had Senon Alverado place absorbent pads at various locations to soak up the oily substance and to slow the flow of the suspected dye substance. Mr. Lee requested Material Safety Data Sheets from Mr. Miller before any flushing occurred. Mr. Miller contacted his spill response company who sent out a team to cleanup the substances.

Ms. Gowdy and I returned to Building 144 and met with the ATSDR team. I brought a photo taken during World War II and a current map showing the stormwater Outfall locations. We discussed with the ATSDR representatives past storage areas and practices, past landfill materials and practices, past ordnance and chemical warfare materials activities, and current restoration project activities. Terry Flynn joined the group and explained the Base Realignment and Closure activities as they related to the Depot's theme to restore, reuse and revitalize the area through the environmental restoration and property leasing programs.

I then took John Crellin, Greg Zarus, Sandra Culberson and Cynthia Conyers to Dunn Field to visually inspect outfalls 9 and 10. I signed us in at the OIIM

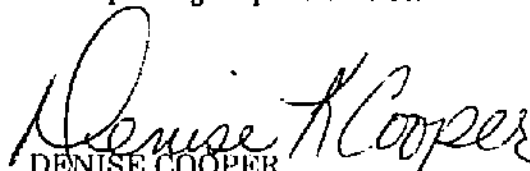
trailer, and we walked to both outfalls. We then drove around the Outfall 5 and then past Outfall 4, where HEPACO was completing their spill response activities.

When we returned to the Main Installation, Mr. Zarus asked about building siding that appeared to be asbestos containing material. I took them to Building 559, showed him the siding and told him the approximate asbestos content (2 - 5%) and type of asbestos (chrysotile). We then returned to Building 144.

I told them the history of the Technical Review Committee and the Restoration Advisory Board. We discussed the number of community representatives and how they were chosen for the Board. After completing that discussion, they seemed satisfied with the all the information provided and returned to the airport.

Upon completing the ATSDR visit, I returned to Outfall 4 with Mr. Lee and Eddy Bouzeid of the Tennessee Department of Environment and Conservation, Water Quality Division. We were joined by Mr. Miller. Upon receiving Mr. Bouzeid's approval, Mr. Lee contacted Mr. Roach to begin flushing the stormdrain.

Mr. Lee, Mr. Bouzeid and Mr. Miller returned to McAuley's to investigate possible sources. I asked Mr. Bouzeid if the Depot had any reporting requirements other than an annotation in the monthly stormdrain inspection section of the permit. He responded that McAuley's must prepare and provide TDEC a report of the incident, but that the Depot had no other reporting responsibilities.


DENISE COOPER
Environmental Protection Assistant

BCT ACTION ITEMS

March 20	Provide Map Prop Fence at Housing Complex	FE Shawn - 3/20
March 26	April Agenda	FE Shawn - 3/19
March 31	Minutes - Change 1 sentence 2/98	FE Shawn - 3/31
March 31	Parcel 4 FOSL	FE Glenn - 3/31
April 2	Proposed Agenda Comments/Suggestions	BCT - Support Staff
April 3	BCT Minutes	CH2M Hill
April 9	Final Agenda	FE
April 10	Response To Comments on Pond Risk Assessmt	E Pope - COE Mobile
April 16	EPA Ground Water Report Comments	G Underberg - TDEC
April 23	Research Fish Kill	FE - Shawn Phillips
April 23	Research Glass Containers Dunn Field	K Braun/D Richards/P Amido
April 23	Review EPA Landfill/Presumptive Remedies	GKaden/RTorres/ JEnglish
April 23	Comments on Dieldrin Mtg Mins	DDSP/EPA/TDEC
APRIL 23	BCT MEETING	
April 24	Suggested Agenda for next BCT	
April 30	Agenda Distributed	
May 7	Comments/Suggestions on Agenda due to S Phillips	
May 14	Final Agenda Issued	S Phillips
MAY 21	BCT MEETING	

Review of March Action Items

Disposition of Last Action Items			
Action Item	Responsible Party	Date	Status
Respond to comments on pond risk assessment	COE Mobile - Ellis Pope	4/10/98	Completed, Response to be discussed at April BCT
Research reported historic fish kill in lakes. Contact Randy Wilson and Christine Kartman regarding historical information on fish kills. Document and submit a memorandum to the record	DDSP-FE/Shawn Phillips	4/23/98	Contact and Interview w/ Ms. Kartman complete. MFR ready to be submitted for information
Minutes - Change one sentence. Make correction to 2/98 minutes. Issue for signature.	DDPS-FE/Shawn Phillips	3/31/98	Complete, to be signed at April BCT
Research glass containers at Dunn Field.	Kurt Braun (Aniston), Dorothy Richards (USACHPPM), Phil Amido (Ft. Lee)	4/23/98	To be discussed at April BCT
Review EPA Landfill/ Presumptive Remedies.	DDMT-FE/Glenn Kaden EPA/Ramon Torres TDEC/Jordan English	TBD	DDMT in receipt of Presumptive Remedy, review not complete
Respond to EPA Groundwater Report Comments-TDEC.	CH2M HILL/Greg Underberg	4/16/98	Completed and Submitted on 4/23 (due date was misprint)
Comments on Response to dieldrin meeting minutes.	DDSP/EPA/TDEC	4/23/98	
Provide map of proposed fence at housing complex.	DDSP-FE/Shawn Phillips	3/20/98	Completed
Parcel 4 FOGL	Glenn Kaden		Complete, out for review
April Agenda	DDSP-FE	3/26/98	Completed
Proposed Agenda Comments	BCT, Support Staff	4/2/98	Comments Received from EPA, TDEC
Submit Dunn Field TCLP analysis data to TDEC	OHM/Steve Offner	4/10/98	Two sets of data submitted 4/23/98
Evaluate dieldrin concentrations in surface soil at each site for exceedance of 0.36 mg/kg criteria. Modify the assigned CERFA category accordingly.	CH2M HILL	4/23/98	
Final Agenda	DDPS-FE	4/9/98	Completed, but updated 4/16
Submit Draft BCT Minutes	CH2M HILL	4/3/98	Draft 4/1/98, Draft Final 4/17/98

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