



# THE MEMPHIS DEPOT TENNESSEE

---

## ADMINISTRATIVE RECORD COVER SHEET

AR File Number 150

**MEETING MINUTES**  
**Restoration Advisory Board**  
**February 15, 1996**

**Defense Distribution Depot Memphis, Commander's Conference Room**

The February Restoration Advisory Board Meeting was held on February 15, 1996, at the Defense Depot Memphis, Tennessee (DDMT) in the Commander's Conference Room. The attendance list is attached.

Ms. Christine Kartman opened the meeting by welcoming the RAB members and members of the community and giving them an overview of the agenda for the meeting.

**Old Business**

**RAB Applications--**

The Depot advertised and mailed letters from the data base inviting individuals to join the RAB. At this time we have received 17 requests for applications. Anyone here that would like an application can be picked up at the table by the door, please return them to the address on the last page by March 15, 1996.

**New Business**

**Project Update--**

Mr. Harold Roach of DDMT gave a status of the well installation and groundwater sampling. Two test borings have been completed on STB-12 and STB-13. Sixteen new groundwater monitoring wells have been installed; they are: A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, and U. Geotechnical samples were collected to evaluate the confining unit of clay. Also an analysis of wells K, L, M, N, and O from west of Dunn Field was performed. Groundwater samples were collected from all new wells and 37 existing wells, also performed were geophysical characterization of 6 existing wells; and 2 deep wells to determine if the wells are cemented properly and 4 shallow wells to help correlate subsurface geology.

**Preliminary Interpretations:** The lack of organic or metal contamination in wells O, N, and K indicates that the plume does not extend beyond these wells. The trace of 1,1,1-Trichloroethane detected at well M marks the western boundary of the plume.

Mr. Williams, "Is this outside of Dunn Field?"

Mr. Roach, "It is approximately 800 feet from the fence line."

Mr. Williams, "Who's land is this?"

Mr. Williams, "Do you have the test results of BS15 and BS02?"

Mr. Underberg, "Yes, we do, we will discuss the results later in the presentation."

Why did you sample these areas?

Mr. Underberg, "One of the criteria was to look at areas that had the same kind of management, such as parks, schools, and cemeteries, etc."

Why weren't samples pulled from south of the Depot, it is a heavily populated area, so you would think you would have used these areas.

Mr. Underberg, "We were looking for areas that are similar to the Depot, and not as disturbed as most residential areas."

Mr. Underberg presented a chart showing the distribution of metals, and it was shown to be uniform throughout the Memphis/Shelby county area, there was not a cluster around the perimeter of the Depot.

Question from the audience, "Was the highest lead reading east of the Depot?"

The next chart will show that the average metal concentration in background surface soil, this showed that the histograms at the perimeter and offsite were about the same.

Ms. Cline, "These are all naturally occurring metals in the soil."

Ms. Peters, "Are you saying all the metal levels are fine?"

Ms. Cline, "The levels that are screened are much higher than the ones that were found."

Ms. Peters, "Does this mean that these are all right?"

Ms. Cline, "I will say according to the information that we have right now, these levels are not a problem."

Ms. Peters, "It will be fine for me to drink the water or have a garden?"

Mr. Webb, "The water is safe since it is purified."

Ms. Cline, "At these levels it is safe"

Ms. Kartman, "That didn't answer her question, if she has a garden will it harm her?"

Mr. Gray, "It is as safe as it is anywhere."

- Dioxin that was found in surface soil exceeds residential soil ingestion criteria, but is within U.S. background ranges
- Arsenic and Dieldrin exceed residential soil ingestion criteria

#### Surface Water and Sediment Data—

The surface water and sediment data was collected in October 1995. The surface water and sediment samples were taken at the same location, data was collected from upgradient streams and lakes. The samples were analyzed for VOCs, SVOCs, Metals, Herbicides/Pesticides/PCBs, and Dioxin. Locations and the distribution of substances that were found were shown on maps that were presented. The background surface water and sediment conclusions are:

- Dioxin exceeds ambient water quality criteria at Audubon Park and Botanical Gardens
- Presence of Dioxin in sediment indicates that the Dioxin in the water is likely from suspended sediment material

The sediment samples were collected in October 1995, 18 samples were collected from drainage along the Depot perimeter. Sampled surface sediments were collected 0-8 inches from the surface. These samples were analyzed for VOCs, SVOC, Metal, Pesticides/Herbicides/PCBs, and Dioxins. Sediment data conclusions are:

- Levels for VOCs, SVOCs, and most metals do not exceed EPA standards
- Average Dioxin concentration exceeds residential and industrial soil ingestion criteria and regional background values
- Dieldrin; Endrin; 4,4'-DDE; 4,4'-DDT; PAH compounds exceed EPA - standards for aquatic life
- Only Arsenic exceeds Region IV screening criteria for residential soil ingestion

Ms. Kartman, at this time are there any questions?

Mr. Williams, "What about our role in the reuse of the Depot?"

Ms. Kartman, "Because of the length of this presentation, we agreed to wait until next month to present that portion of the presentation, we will also be reviewing applications for new RAB members, if that's agreeable. We will send a copy of the applications we have in advance, but we can't guarantee that we can send them all to you, they are not due back until March 15th. Does anyone have anything else at this time."

Ms. Hooks, "As you are aware we were suppose to have a Town Hall meeting in January and we canceled it due to the government shutdown and the lack of cooperation from ATSDR. ATSDR has refused to send someone to review their Health Assessment, I have sent letters to our local Senators and Congressmen to see if they

Ms. Hooks, "I was told he was here once and anyone who wanted to hear him could have attended the RAB meeting. They cannot afford for him to attend anymore meetings. I reminded them that the Depot had offered to pay for him to travel and then once again I was told that they did not do public forum meetings."

Mr. English, "I keep going back to what they said when they were here, which was that if any new information comes out during the investigation then they would come back, and address any new concerns that might occur."

Ms. Hooks, "I have also received correspondence from the local representatives that they are seeking to keep the Environmental staff in place at the Depot."

Ms. Kartman, "Does anyone not on the board have anything else they would like to share at this time?"

Yes, my name is Kevin Clay, and I am a concerned citizen and I grew up just across the street from the most hazardous point of Dunn Field, so I have an interest and I have the time to be a part of this board. I am going to submit an application, but I wanted to give you a face to go with the application. Thank you.

Ms. Kartman, "Is there any more comments? If not then we will adjourn remember the next meeting is March 21, 1996. Thank you for coming"

The meeting was adjourned at 8:00 p.m.

**FINAL PAGE**

**ADMINISTRATIVE RECORD**

**FINAL PAGE**

**FINAL PAGE**

**ADMINISTRATIVE RECORD**

**FINAL PAGE**