



THE MEMPHIS DEPOT TENNESSEE

ADMINISTRATIVE RECORD COVER SHEET

AR File Number 687



February 21, 2002

MEMPHIS DEPOT Environmental Program Update

**Presented to the Memphis Depot
Restoration Advisory Board**

John P. De Back – DOD Base Transition Coordinator

Presentation Overview



- **Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)**
 - Environmental Evaluation Process
- **Voluntary Early Removal Actions**
- **Depot CERCLA Process Timeline**
 - Actions completed to date
- **Future Activities 2002-2003**
- **Future Activities Beyond 2003**

CERCLA Environmental Evaluation



6-step process involving Environmental Protection Agency (EPA) and Tennessee Department of Environment and Conservation (TDEC)

- | | |
|---------------------------|-----------------------------|
| 1. Preliminary Assessment | 4. Feasibility Study |
| | ▪ <i>Proposed Plan</i> |
| 2. Site Investigation | ▪ <i>Record of Decision</i> |
| 3. Remedial Investigation | 5. Remedial Design |
| | 6. Remedial Action |

Voluntary Early Removal Actions



May be conducted at any time during the CERCLA process

1985

Removed pentachlorophenol (PCP) dip vat and soil

1998

Removed soil containing dieldrin from Family Housing Area and soil containing polychlorinated biphenol (PCB) from Cafeteria area

2000

Removed soil containing lead from Old Paint Shop and Maintenance Area;
Began Chemical Warfare Materiel (CWM) removal action

CERCLA Process Update



COMPLETED TO DATE

1982	Preliminary Assessment completed
1982	Site Assessment completed
1990	Remedial Investigation completed (further investigation required)
1990	Feasibility Study completed (based on 1990 Remedial Investigation)

...continued

CERCLA Process Update



COMPLETED TO DATE

1996	Interim Record of Decision for Groundwater at Dunn Field approved by EPA and TDEC
1998	Began Interim Remedial Action for Groundwater at Dunn Field (pumping system)
2000	Issued Main Installation Remedial Investigation Report

...continued

CERCLA Process Update



COMPLETED TO DATE

2000

**Completed Main Installation
Feasibility Studies for Soil and
Groundwater**

2000

**Completed Main Installation
Proposed Plan including Public
Comment Period**

2001

**Testing begins for Dunn Field
Remedial Investigation**
• *Soil Vapor Extraction Pilot Test*

...continued

CERCLA Process Update



COMPLETED TO DATE

2001

**Completed Main Installation Record
of Decision (DLA, EPA and TDEC)**

• *Includes responses to public comments*

2001

**Began Step 5: Remedial Design for
Main Installation**

2001

**Completed soil cleanup for the Main
Installation**

• *Functional Unit 4*

...continued

CERCLA Process Update



COMPLETED TO DATE

2001

Completed CWM Removal

- *Voluntary Early Removal Action*
- *Dunn Field*

2001

Installed additional recovery wells to enhance Interim Remedial Action for Groundwater at Dunn Field

Future Activities



2002-2003

- Complete Main Installation Remedial Design Work Plan
- Complete Dunn Field Feasibility Study
- Complete Dunn Field Proposed Plan
 - *Including public comment period*
- Finalize Dunn Field Record of Decision
 - *Including responses to public comments*

...continued

Future Activities



Beyond 2003

- Complete Dunn Field Remedial Design
- Operate and Monitor Remedial Actions at Main Installation and Dunn Field
 - *To insure operations meet Remedial Action Objectives*



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ADMINISTRATIVE RECORD

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