



THE MEMPHIS DEPOT TENNESSEE

ADMINISTRATIVE RECORD COVER SHEET

AR File Number 279

**Defense Logistics Agency
Memphis Depot Caretaker**

Restoration Advisory Board

Agenda

January 22, 1998

**DDMT Commander's Conference Room
2163 Airways Boulevard
Memphis, Tennessee**

Welcome and Introduction

Mr. Mondell Williams
Community Co-Chairman

Old Business

RAB Member Election

15 Min

Mr. Glenn Kaden
Facility Co-Chairman

New Business

Finding of Suitability To Lease (FOSL)

10 Min

Mr. Glenn Kaden

Community Work Group

10 Min

Mr. Glenn Kaden

February RAB/Information Session

10 Min

Mr. Terry Flynn

Dunn Field Site Characterization

15 Min

Mr. Jimmy Duncan
Mr. Tom Beisel
Parsons Engineering Science

Groundwater Interim Remedial Action

15 Min

Mr. John Lore
OHM

Public Comment Period

Meeting Adjourned

Talking Points for RAB

Community Relations Support

- You will notice that we have enhanced our community relations activities over the last few months
- We have called on the Army's Center for Health Promotion and Preventive Medicine -- which specialize in community outreach and risk communication

Talking Points for RAB

- CHPPM has contracted the services of Frontline -- Terry Flynn and Jennifer Hall
- Frontline has been working with us since October 1, 1997 and are responsible for the new newsletter, Support for the RAB and the upcoming Community Information Session.
- It is Frontline's intention to hire a local staff person to work directly with the Depot, the RAB and the community.

Talking Points For RAB

- Welcome and extend New Year's greetings.
- If there a lot of new people, welcome them and thank them for coming.
- Explain the format of the RAB meeting. You may want the RAB members to introduce themselves to the community members.
- Make a point that we have increased our advertising of RAB meetings in the Commercial Appeal and the Tri-State Defender. We have also advertised in the Memphis Flyer and the Silver Star News .

DDMT-CCC

DEFENSE DEPOT MEMPHIS TENNESSEE -- CONCERNED CITIZENS' COMMITTEE
1464 E. MALLORY MEMPHIS, TN 38106
TEL (901) 942-0329 FAX (901) 942-0800

Name

Doris Bradshaw

Education

Shelby State Community College

Qualifications/Background

Environmental Justice/Toxicology/Workshops:

TOXICOLOGY AND BEHAVIORAL workshop on HAZARDOUS MATERIALS /
2-3 TRAIN-THE-TRAINER, CWU
REGIONAL FORUM ON MILITARY BASE CLEANUP AND TECHNOLOGY
BEYOND BEIJING
CHILDREN'S HEALTH ENVIRONMENTAL SUMMITS
ENVIRONMENTAL ROUNDTABLES
SUPERFUND ROUNDTABLES
ENVIRONMENTAL JUSTICE ROUNDTABLES/SUMMITS/FORUMS
MISSISSIPPI RIVER BASIN ALLIANCE
CLEANWATER NETWORK 96, CLEANWATER ACT 25/97
NON-STOCKPILE CHEMICAL WARFARE ROUNDTABLE
THE CHEMICAL WEAPONS WORKING GROUP
COLUMBIA PROJECT /DELTA PROJECT
RAGS REFORM STAKEHOLDERS FORUM
AFRICAN AMERICAN ENVIRONMENTAL JUSTICE ACTION NETWORK

Site Characterization at
Operable Unit 1, Dunn Field,
Defense Distribution Depot
Memphis

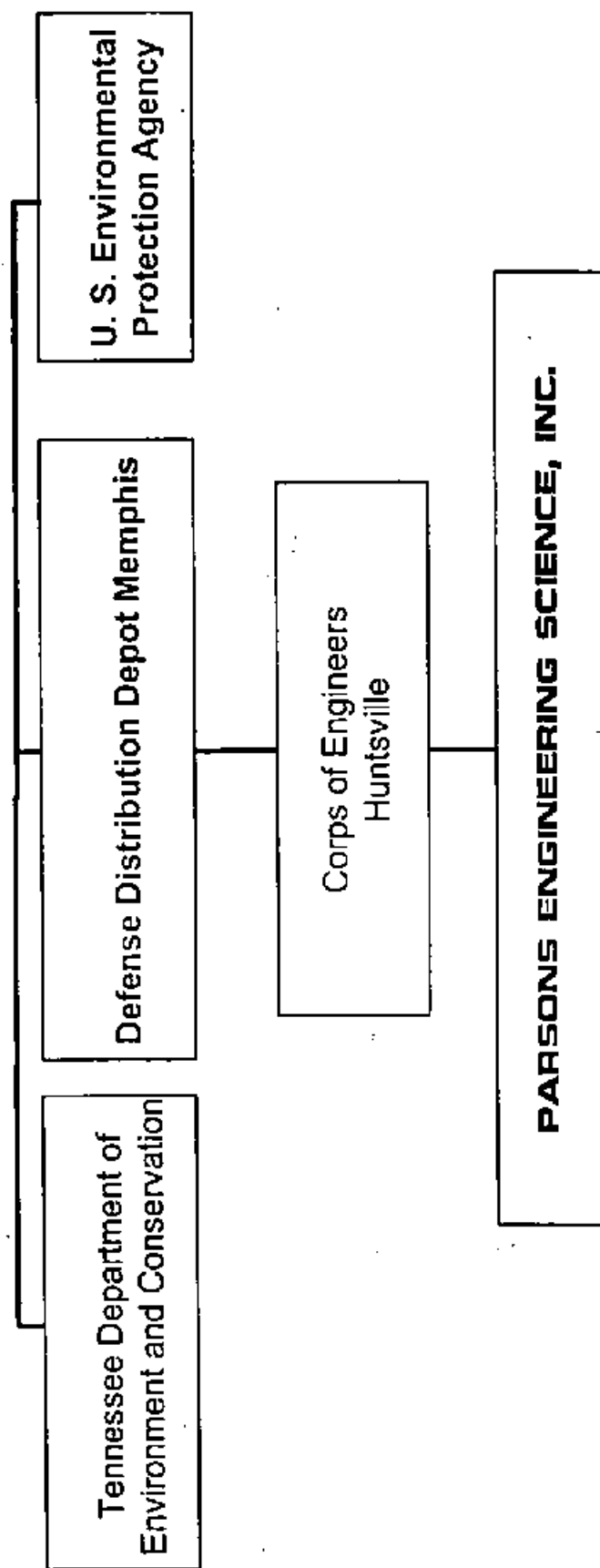
**Restoration Advisory Board
January 22, 1998 Meeting**

Parsons Engineering Science, Inc.

Project Description

- Field investigation to verify disposal area locations
- Field investigation to sample soils and groundwater

Project Organization



Objectives of the Field

Investigation

- Verify location of disposal pits and trenches
- Sample soil and groundwater for presence of chemical warfare materials and breakdown products
- Sample soil and groundwater for presence of ordnance, explosive materiel, and breakdown products
- Preparation of documents to support an Engineering Evaluation and Cost Analysis

Parsons Engineering Science, Inc.

How will we accomplish the objectives:

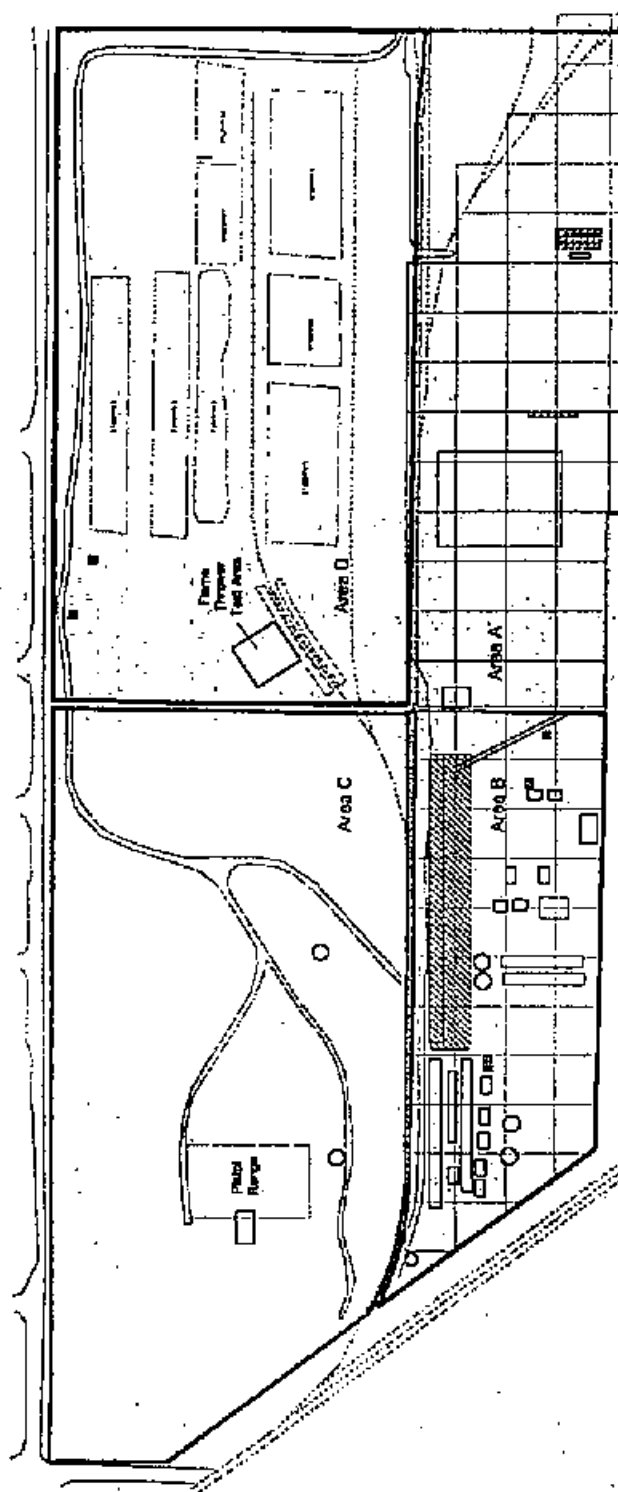
- Geophysical survey
- Soil borings and/or cone penetrometer testing
- Groundwater monitoring well installation

Geophysical Survey

- Locate metal objects buried in pits and trenches (magnetometer or electromagnetic 61)
- Locate areas of disturbed soil (electromagnetic 31)

Geophysical Survey Location

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LEGEND

Investigation Sites

- POSSIBLE SITE OF JULY 1948 DESTRUCTION OF GERMAN MAINTENANCE BOMBS
- POSSIBLE AREA USED TO BURY GERMAN ID SETS AND RECC-4 IMPREMENT
- POSSIBLE BURIAL OF DANCE ORCHESTRATED LINE AND PARTS
- USATAMA IDENTIFIED BURIAL OF GERMAN ID SETS
- CHLORINATED LINE PITS

Other Pits and Trenches

Geophysical Investigation Grids

Area A

Area B

Area C

Area D

Area E

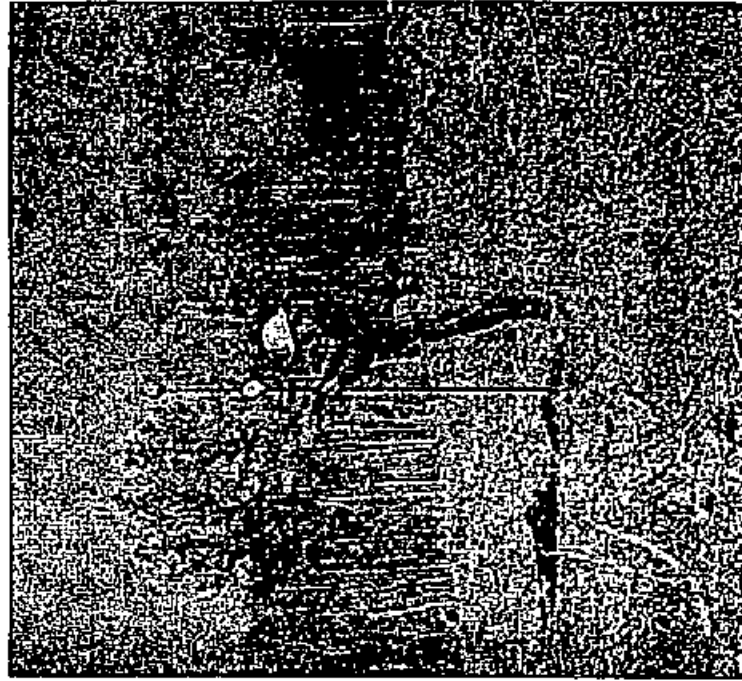
Other Features

POWERLINE TOWERS

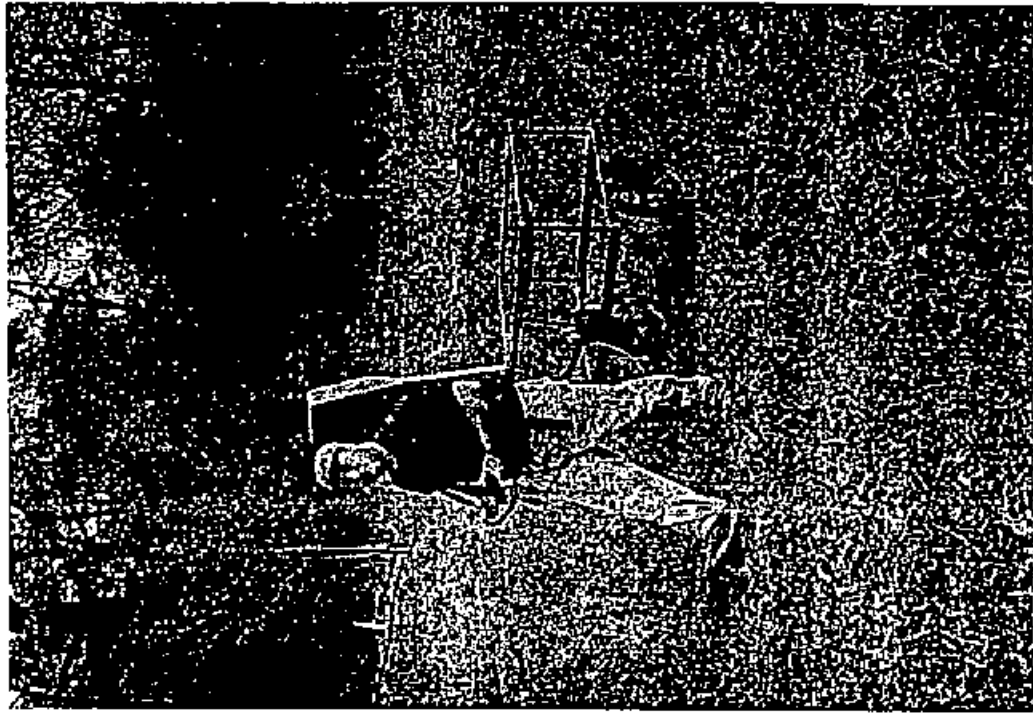
ROADS

RAILROADS

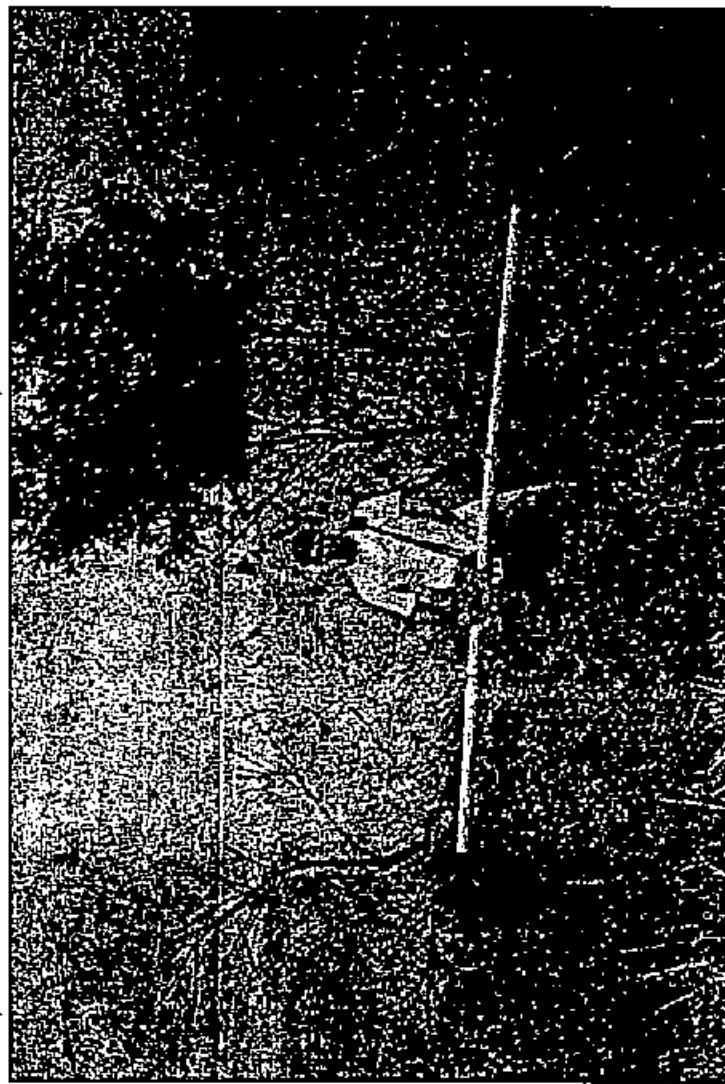
Magnetometer Instrument



Electromagnetic 61 Instrument



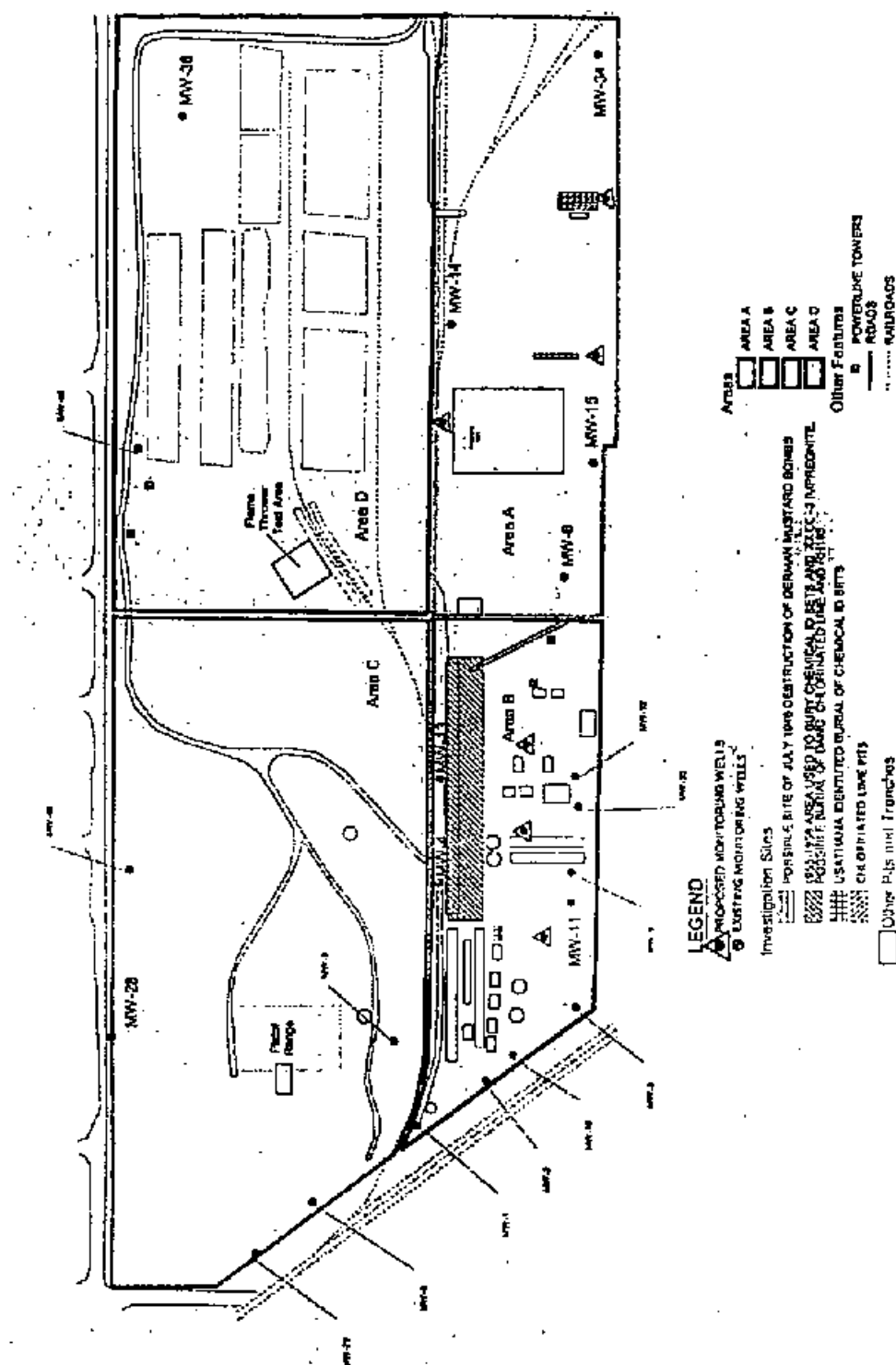
Electromagnetic 31 Instrument



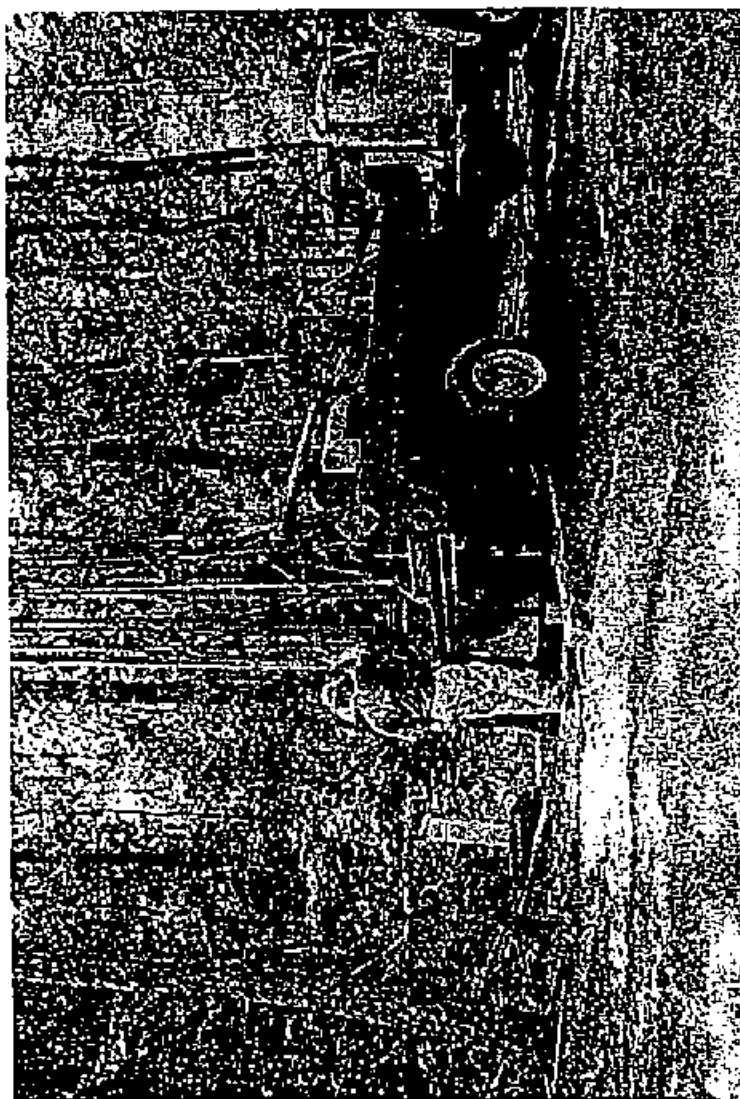
Soil Boring and Well Installation

- Install six groundwater monitoring wells to a depth of approximately 80 feet below land surface
- Soil sampling and analysis
- Groundwater sampling and analysis

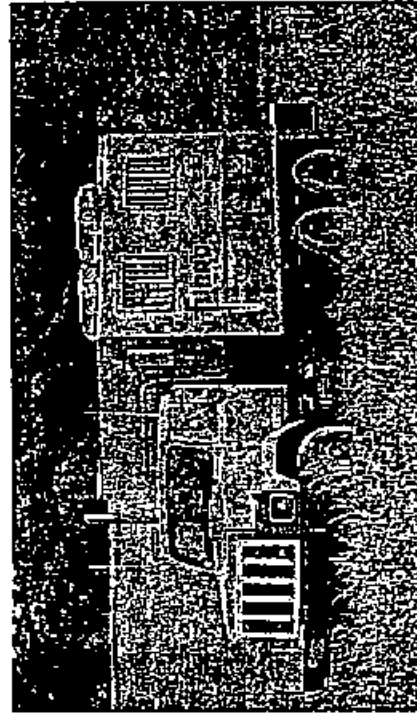
Soil Boring/Monitoring Well Locations



Drilling Equipment



Cone Penetrometer Testing



Personal Protective Equipment



Schedule

- Field investigation will begin last week of January 1998
- Duration of field investigation will be approximately 30 working days
- Project will be completed August 1998

Defense Distribution Depot Memphis Tennessee

Dunn Field Groundwater

Interim Remedial Action

OHM Remediation Services Corp.

- More than 25 years conducting environmental cleanup
- 3,000 trained field staff, scientists, technicians, project and site managers
- 30,000 projects completed
- 1,300 groundwater pumping projects completed

OBJECTIVES

- To create a hydraulic barrier along the northwest portion of Dunn Field.
- To prevent groundwater from leaving Dunn Field.

OVERVIEW

- Pre-construction activities
 - Prepare plans, fencing, soil sampling and erosion control
- Sequence 1
 - Construction of 7 recovery wells (RW 3-9)
- Sequence 2
 - Construction of 2,500 linear feet of plastic pipe to connect recovery wells to City of Memphis sanitary sewer
 - Construction of master control building
 - Construct flow measurement and control system for wells
- Sequence 3
 - Possibly construct up to 6 additional recovery wells (RW 1, 2, 10, 11, 12 and 13)

PRE-CONSTRUCTION ACTIVITIES

- Prepare construction quality control plan
- Prepare sampling and analysis plan
- Prepare health and safety plan
- Survey area to locate wells and pipeline
- Construct temporary fencing around work area
- Install silt fencing and hay bales to control erosion
- Sample and analyze soil every 100 linear feet (26 samples)

SEQUENCE 1

- Construction of 7 recovery wells
 - Diameter - 6 inches
 - Anticipated depth - 78 to 92 feet below land surface
 - Designed to pump 40 to 60 gallons per minute from each well

SEQUENCE 2

- Connect recovery wells with 2,500 linear feet of underground plastic pipe
- Connect underground plastic pipe to City of Memphis sanitary sewer system
- Construct master control building
- Construct flow measurement and control system for 7 wells
- Sample and analyze discharge from each well
- Begin operation of 7 wells

SEQUENCE 3

- Possibly construct up to 6 additional wells (RW 1, 2, 10, 11, 12 and 13)
- Connect additional wells to underground plastic pipe
- Connect additional wells to master control building
- Sample and analyze discharge from each well
- Begin operation of additional wells

SUMMARY AND SCHEDULE

- Pre-construction - Completed January 1998
- Sequence 1 (construct 7 wells) - Started January 1998, Complete February 1998
- Sequence 2 (connect 7 wells) - Start January 1998, Complete May 1998
- Sequence 3 (possible 6 additional wells) - Start summer of 1998 if required

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