FERNALD CLEANUP PROGRESS BRIEFING
JANUARY 1998

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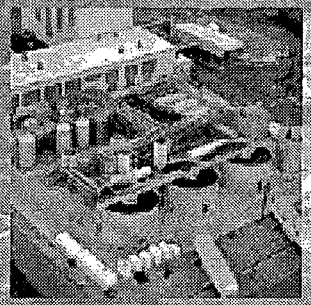
FERNALD CLEANUP PROGRESS BRIEFING
JANUARY 1998

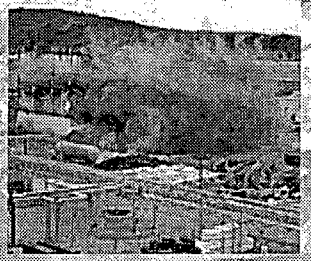
OU4 - Silos Project

OU1 - Waste Pits Remedial Action Project

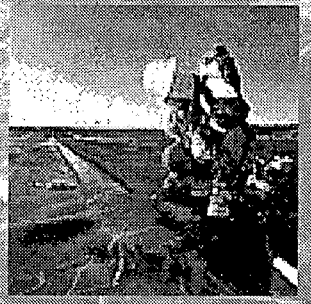
Waste Management Project



OU5 - Aquifer Restoration/ Wastewater Project



OU3 - Facilities Closure & Demolition Project



OU2 - On-Site Disposal Facility Project

Project Management

OU5 - Soil Characterization & Excavation Project

4880.0B 1/98

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FERNALD CLEANUP PROGRESS BRIEFING
JANUARY 1998

6:30 p.m.	Welcome	Gary Stegner
6:35 p.m.	Project Updates	Johnny Reising

- Waste Pits Remedial Action Project	Dave Lojek/Bob Fellman
- On-Site Disposal Facility Project	Jay Jalovec/Mike Hickey
- Facilities Closure & Demolition Project	John Trygier/Jamie Jameson
- Silos Project	Nina Akgunduz/Don Paine
- Aquifer Restoration & Soils Characterization and Excavation Project	Rob Janke/Dennis Carr
- Waste Management	John Sattler/Jerry Lester
- Project Management	Johnny Reising

-- BREAK --

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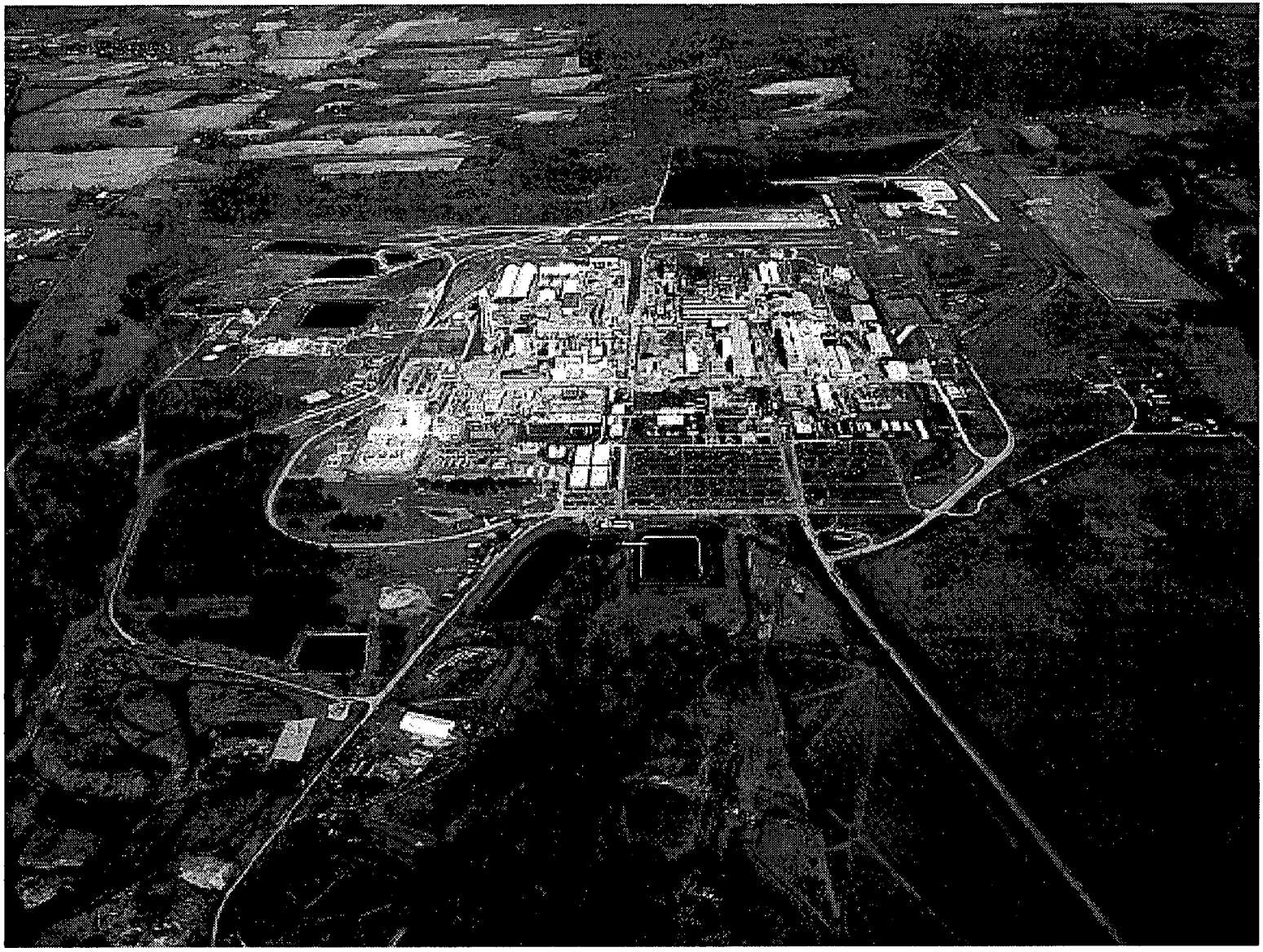
SITE AERIAL PHOTO, LOOKING NORTH
NOVEMBER 18, 1997



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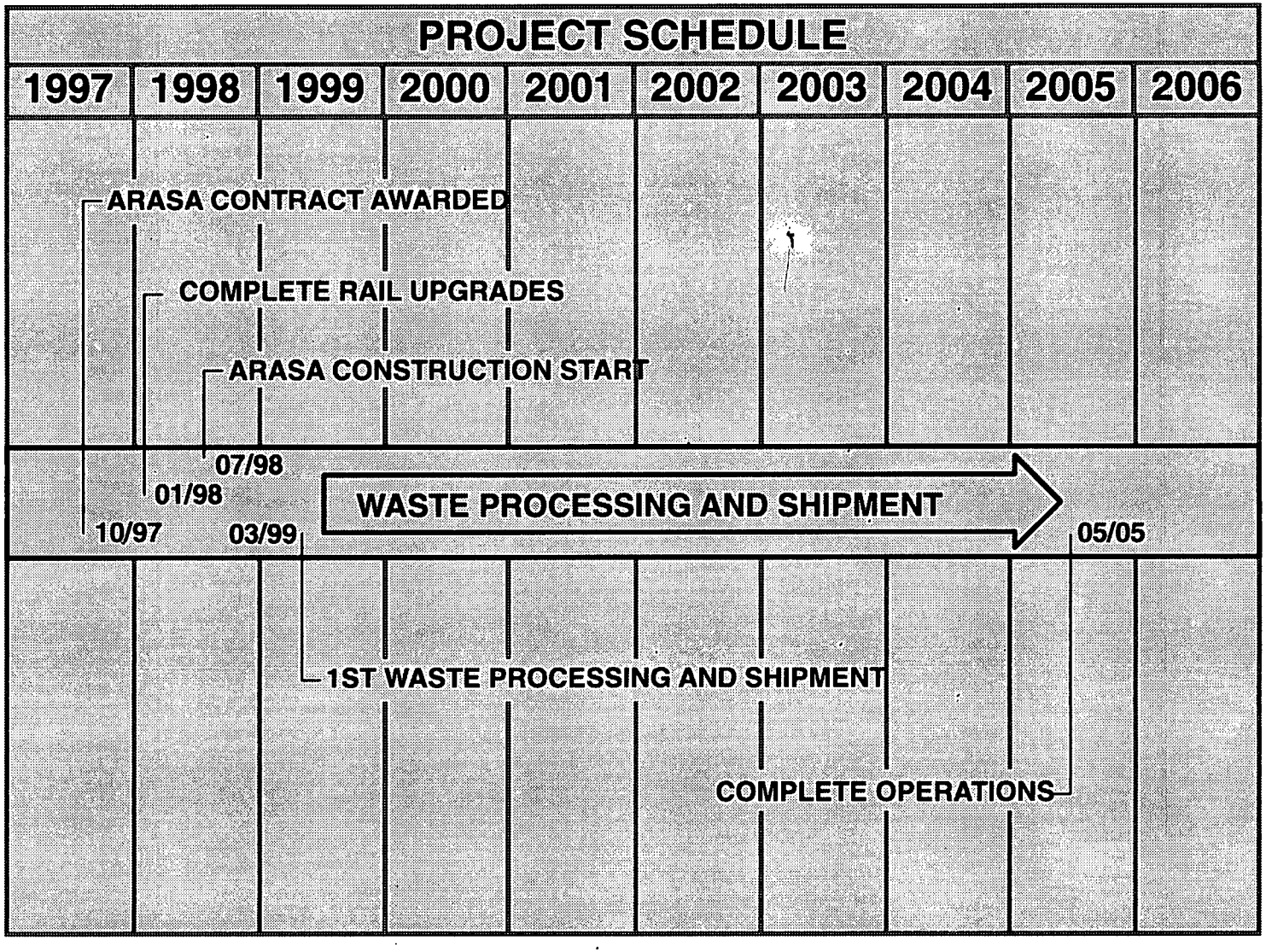
OU1 - WASTE PITS REMEDIAL ACTION PROJECT



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OU1 - WASTE PITS REMEDIAL ACTION PROJECT

Major Work Activities - November/December 1997

- Onsite Improvements
  - Continued onsite rail infrastructure installation & construction of rail maintenance building
  - Completed Paddy's Run Trestle upgrade

- Alternative Remedial Action Subcontracting Approach (ARASA)
  - Submitted Amendment to Final Remedial Action (RA) Work Plan for Remedial Actions at OU1 to Agencies, providing enforceable milestone dates for submittal of ARASA subcontractor's Remedial Design (RD) & RA document packages

300000

OU1 - Waste Pits Remedial Action Project

Major Work Activities - November/December 1997 (Continued)

- Planning & Contracts
  - Awarded Shandon Yard Improvements contract to CSXT Railroad; initiated construction
  - Acquired two excess 60-ton locomotives from Department of Defense in Umatilla, Oregon
  - Submitted Transportation & Disposal Plan to DOE-FEMP for review

No Enforceable Milestones Due in November/December

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OU1 - WASTE PITS REMEDIAL ACTION PROJECT

90-Day Look Ahead - Work Activities

- Complete onsite rail infrastructure construction - 1/98
- Complete construction of rail maintenance building & installation of Locomotive Maintenance Facility utilities - 1/98
- Complete Shandon Yard Improvements construction - 2/98
- Award contract for rail and access road lighting - 1/98; begin construction - 2/98
- Award contract for railcar procurement - 2/98

No Enforceable Milestones Due in Next 90 Days

PADDY'S RUN TRESTLE
NOVEMBER 1997

4880.1E 1/98 Photo # 6349-1235

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LOCOMOTIVE MAINTENANCE FACILITY
DECEMBER 1997

4880.1F 1/98 Photo # 6349-1245

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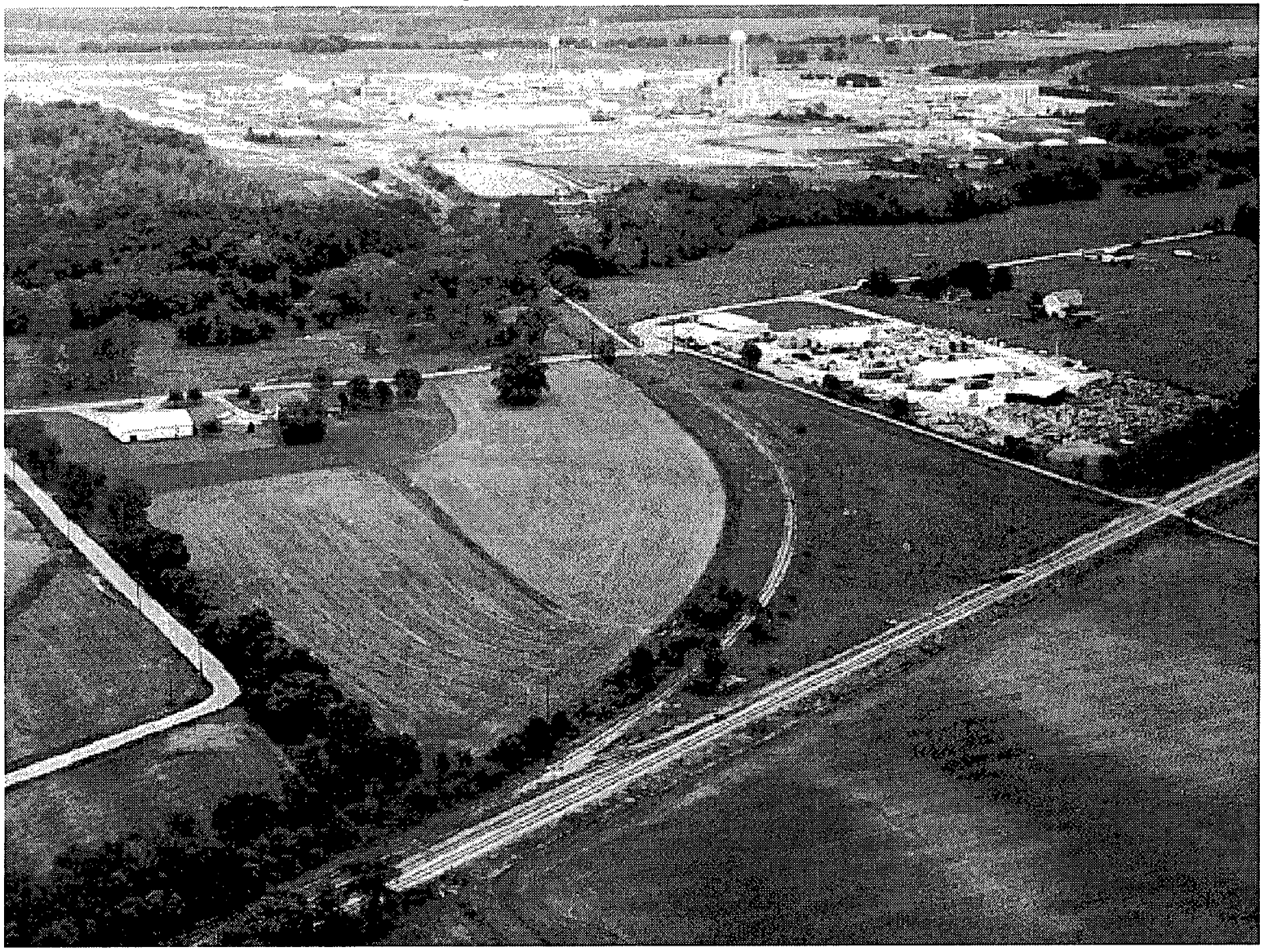
SHANDON YARD
JUNE 1997



4880.1G 1/98 Photo # 6600-11

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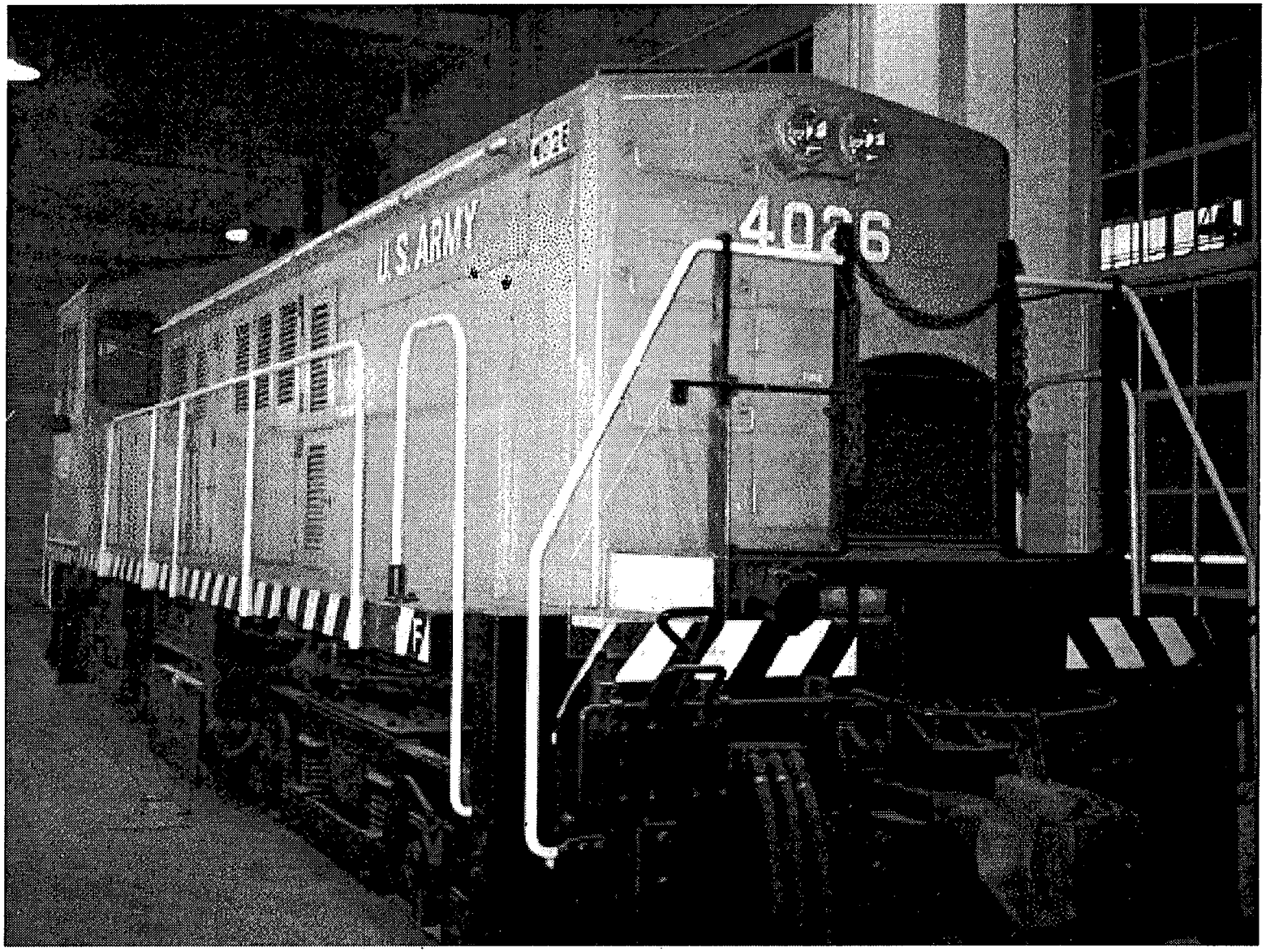
OU1 SITE LOCOMOTIVE
DECEMBER 1997



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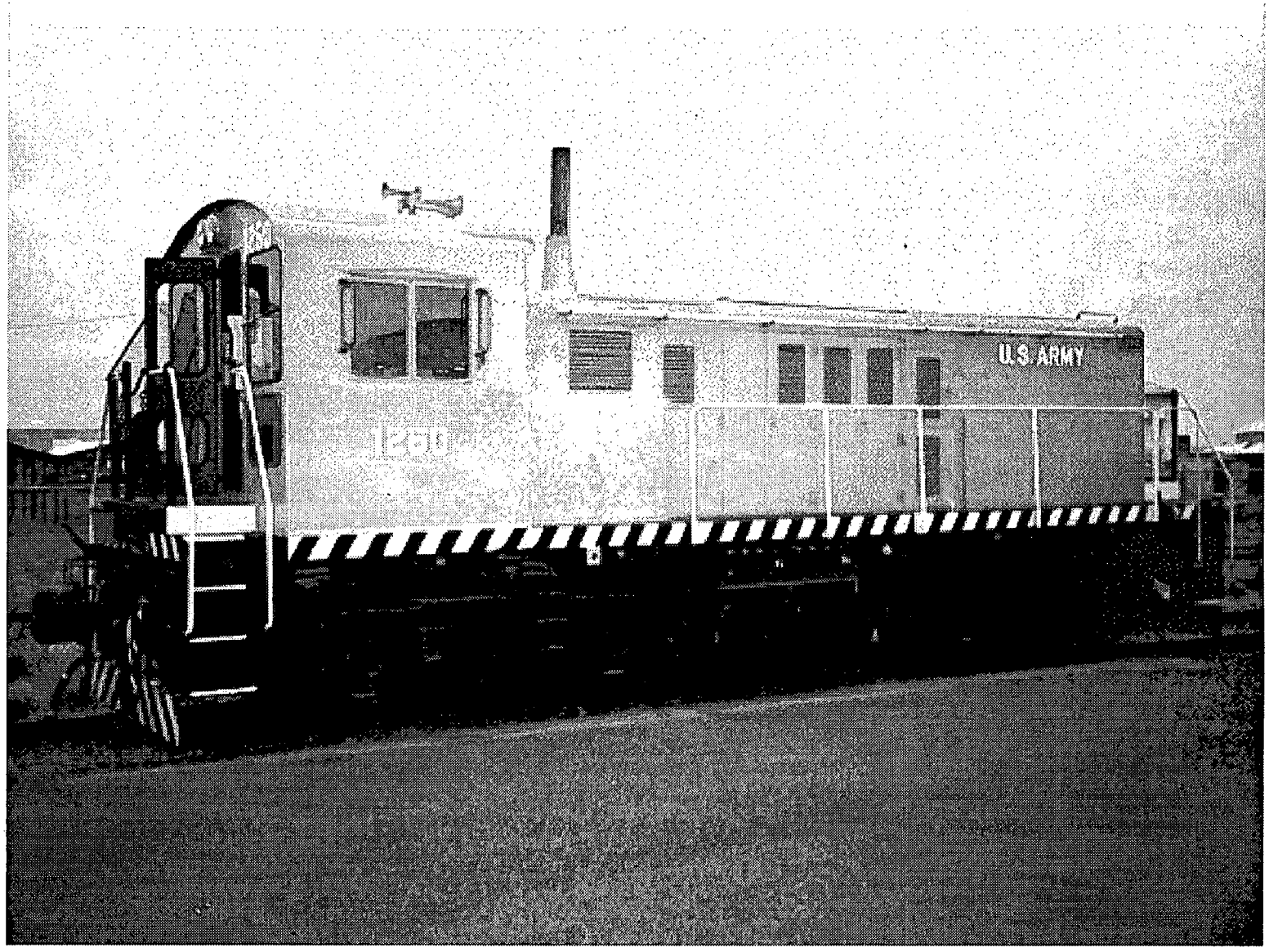
OU1 SITE LOCOMOTIVE
DECEMBER 1997



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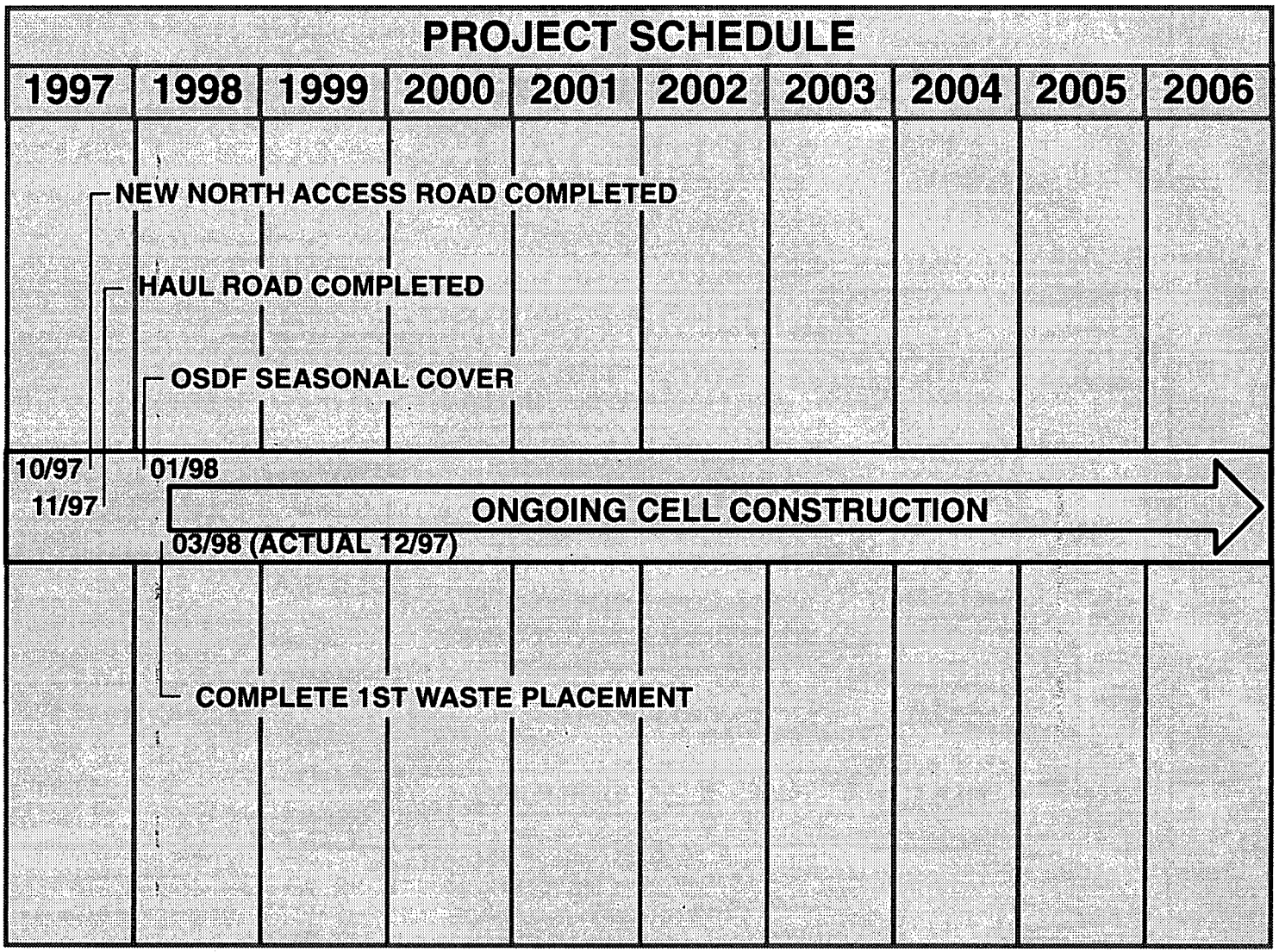
OU2 - On Site Disposal Facility



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OU2 - On Site Disposal Facility

Major Work Activities - November/December 1997

- OSDF
  - Completed Cell 1 secondary & primary composite liners, leak detection system, leachate collection system & protective layer
  - Successfully performed Standard Startup Review
  - Initiated first placement of impacted material (from East Stockpile)

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OU2 - On Site Disposal Facility

Major Work Activities - November/December 1997 (Continued)

- Leachate Conveyance System
  - Continued completing construction punchlist items
  - Successfully performed Integrated Construction Acceptance Testing, System Operability Testing, & Standard Startup Review
  - Began system operations

- Roads
  - Completed all field work

OU2 - On Site Disposal Facility

Enforceable Milestones Due in November/December 1997

- Submitted request for extension of 12/31/97 milestone for placement of seasonal cover on OSDF to Agencies; new milestone date is 1/15/98
- Began impacted material placement 12/23/97 (milestone date of 3/27/98)
- Completed construction of Haul Road 12/05/97 (milestone date of 3/27/98)

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OU2 - ON SITE DISPOSAL FACILITY

90-Day Look Ahead - Work Activities

- OSDF
  - Apply seasonal cover (crusting agent) to Cell 1 protective layer - 1/98
  - Commence construction of OSDF Material Transfer Area - 1/98
  - Perform inspection & necessary maintenance of seasonal cover - 1/98 & continue until next construction season
  - Begin construction of Equipment Decontamination Pad - 2/98

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OU2 - ON SITE DISPOSAL FACILITY

90-Day Look Ahead - Work Activities (Continued)

- Leachate Conveyance System
  - Complete any outstanding punchlist items - 1/98
  - Perform routine system maintenance - beginning 1/98

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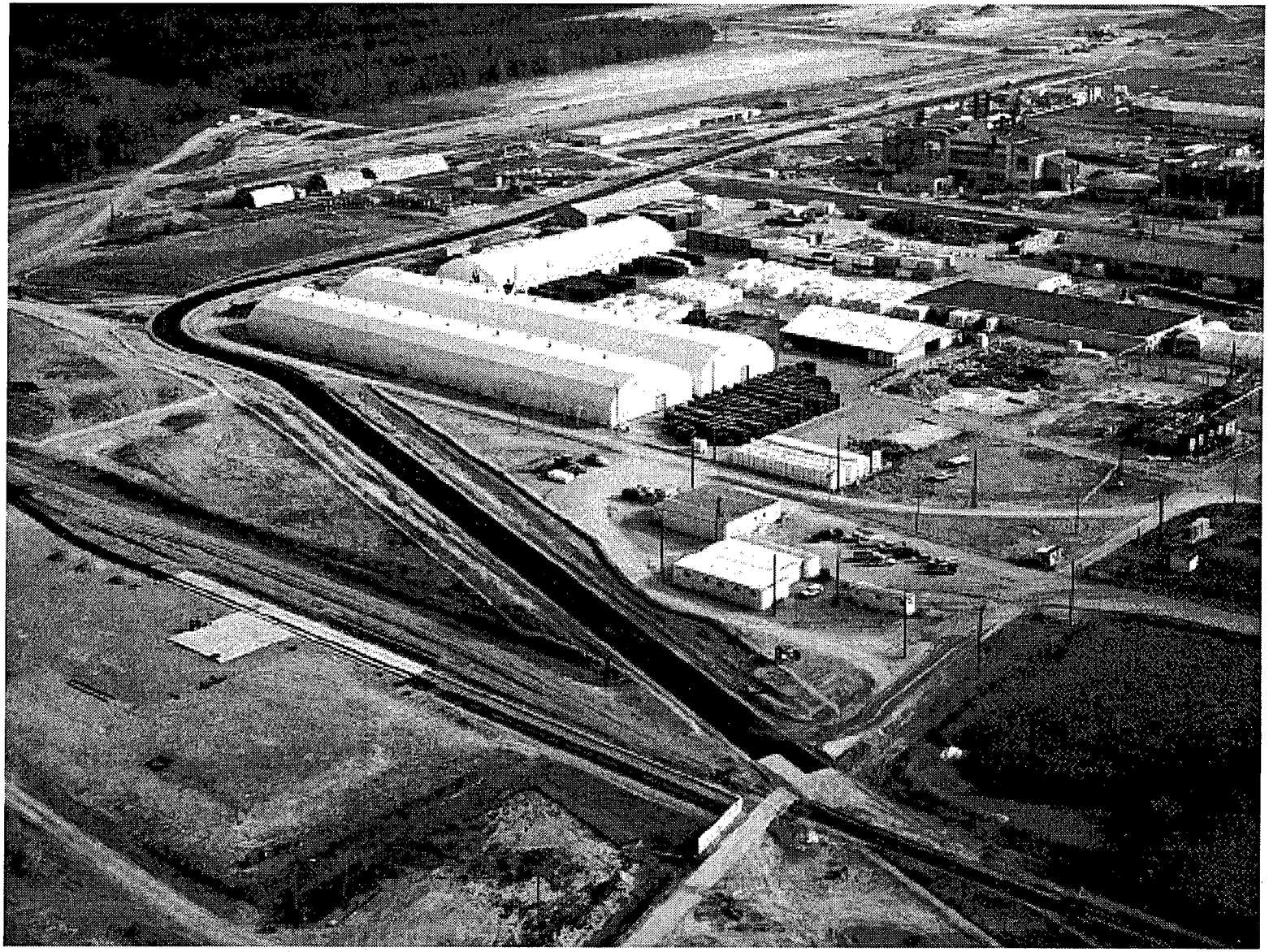
OU2 - ON SITE DISPOSAL FACILITY

90-Day Look Ahead - Milestones

- Place seasonal cover on OSDF by 1/15/98

HAUL ROAD
OCTOBER 1997



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PRIMARY LINER
DECEMBER 1997

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4880.2I 1/98 Photo # 6319-996

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FIRST WASTE PLACEMENT
DECEMBER 1997

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4880.2J 1/98 Photo # 6319-1015

FIRST WASTE PLACEMENT
DECEMBER 1997

4880.2K 1/98 Photo # 6319-1050

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OEPA VISIT
DECEMBER 1997

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4880.2L 1/98 Photo # 6319-1025

FIRST WASTE PLACEMENT
DECEMBER 1997

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OU3 - FACILITIES CLOSURE & DEMOLITION PROJECT

SAFE SHUTDOWN

Major Work Activities - November/December 1997

- Completed holdup material removal from various areas in Plant 8
- Excavated domestic waterline for Plant 8
- Completed utility line isolation & removal of excess equipment in Building 78

No Enforceable Milestones Due in November/December 1997

220002

OU3 - FACILITIES CLOSURE & DEMOLITION PROJECT

SAFE SHUTDOWN

90-Day Look Ahead - Work Activities

- Plant 2/3
  - Complete biohazard cleanup & removal
  - Perform holdup material removal in various areas
  - Begin interior asbestos removal
- Plant 6
  - Complete control point setup
  - Continue utility disconnects
  - Initiate asbestos cleanup & biohazard cleanup

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OU3 - FACILITIES CLOSURE & DEMOLITION PROJECT
SAFE SHUTDOWN
90-Day Look Ahead - Work Activities (Continued)

- Plant 8
  - Complete remainder of holdup material removal
  - Complete all utility disconnects
  - Initiate final closure & support activities

No Enforceable Milestones Due in Next 90 Days

OU3 - FACILITIES CLOSURE & DEMOLITION PROJECT

DECONTAMINATION & DISMANTLEMENT

Major Work Activities - November/December 1997

- Boiler Plant/Water Plant
  - Completed asbestos abatement/removal activities from boilers
  - Completed demolition of Fly Ash Silo, Electrostatic Precipitators, & Clearwell Building
  - Initiated demolition of railroad tracks
  - Began transite removal at Boiler Plant

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OU3 - FACILITIES CLOSURE & DEMOLITION PROJECT
DECONTAMINATION & DISMANTLEMENT
90-Day Look Ahead - Work Activities

- Boiler Plant/Water Plant
  - Complete demolition of pipe bridge and Wet Salt Storage Bin
  - Begin demolition of Boiler Plant & Coal Handling Area
  - Complete transite removal at Boiler Plant
  - Continue sizing, segregation & containerization of demolition debris

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OU3 - FACILITIES CLOSURE & DEMOLITION PROJECT

DECONTAMINATION & DISMANTLEMENT

Major Work Activities - November/December 1997

- Thorium/Plant 9 Complex
  - Continued preparation/submittal of safe work plans
  - Completed mobilization activities at Building 32 & Plant 9
  - Completed asbestos abatement, interior demolition, & interior concrete removal in Building 32
  - Completed other preparation activities at Plant 9, including set-up of vestibule, decontamination area, and waste handling area

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OU3 - FACILITIES CLOSURE & DEMOLITION PROJECT
DECONTAMINATION & DISMANTLEMENT
90-Day Look Ahead - Work Activities

- Thorium/Plant 9 Complex
  - Continue preparation of subcontractor safe work plans
  - Perform structural D&D of Magnesium Storage Building & begin interior D&D activities in Plant 9

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OU3 - FACILITIES CLOSURE & DEMOLITION PROJECT

Enforceable Milestones Due in November/December 1997

- Submitted Revised Plant 1 Complex Project Completion Report to Agencies - 12/23/97

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OU3 - FACILITIES CLOSURE & DEMOLITION PROJECT
DECONTAMINATION & DISMANTLEMENT
90-Day Look Ahead - Milestones

- Submit Maintenance/Tank Farm Complex Implementation Plan to Agencies - 3/5/98

- Submit Sewage Treatment Plant Complex Implementation Plan to Agencies; actual milestone date of 3/5/99

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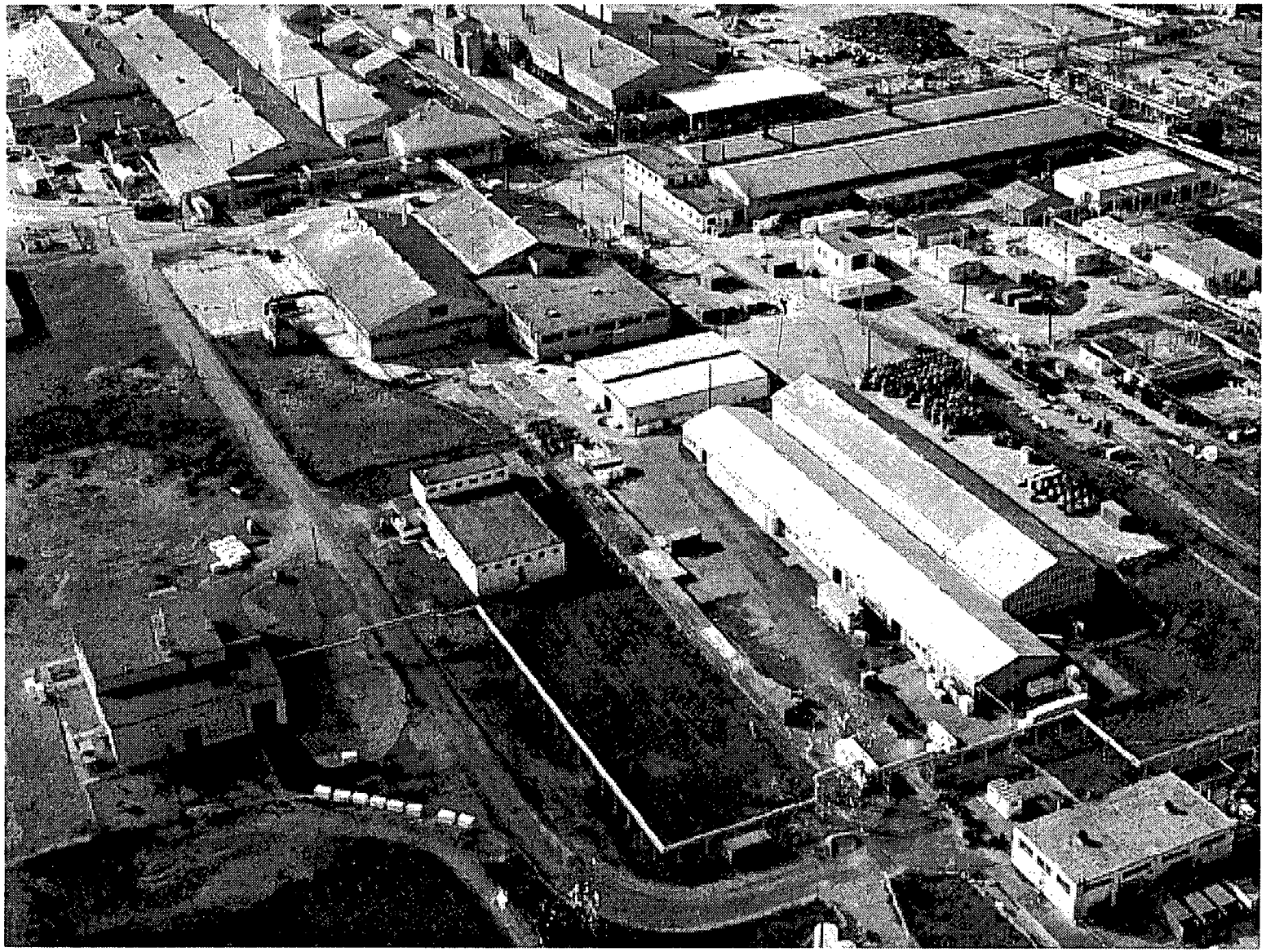
THORIUM/PLANT 9 COMPLEX
OCTOBER 1997



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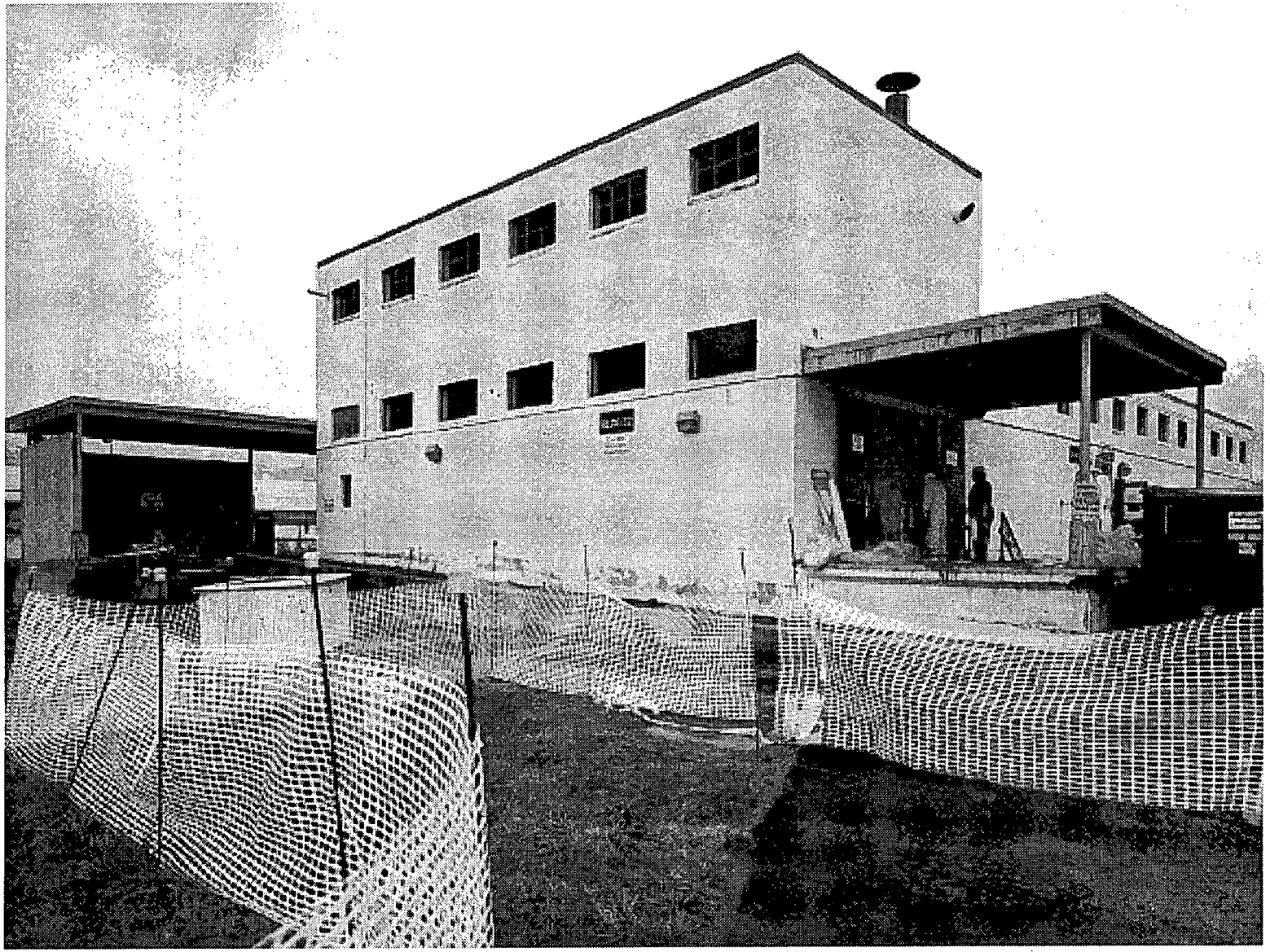
MAGNESIUM WAREHOUSE
DECEMBER 1997



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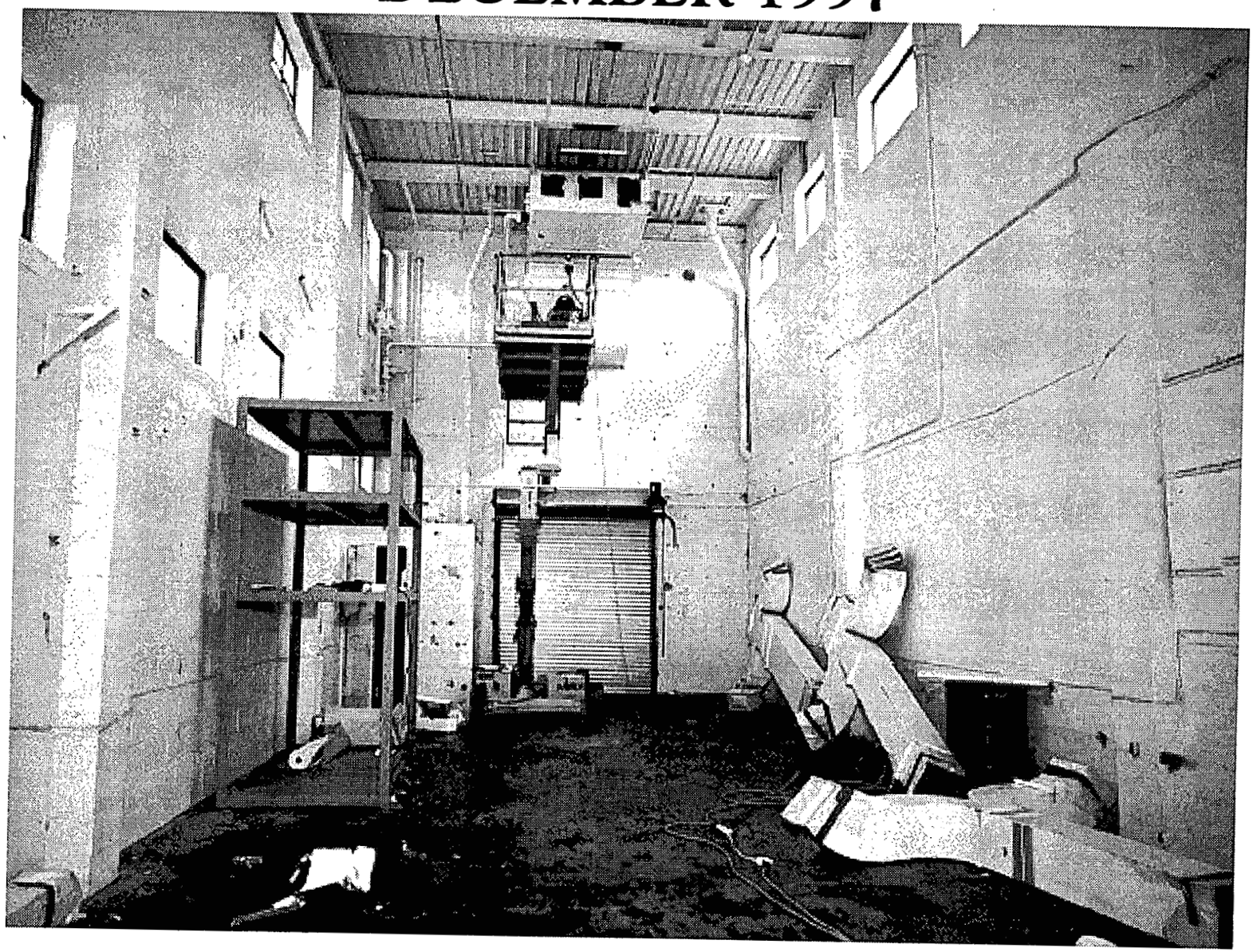
MAGNESIUM WAREHOUSE
DECEMBER 1997



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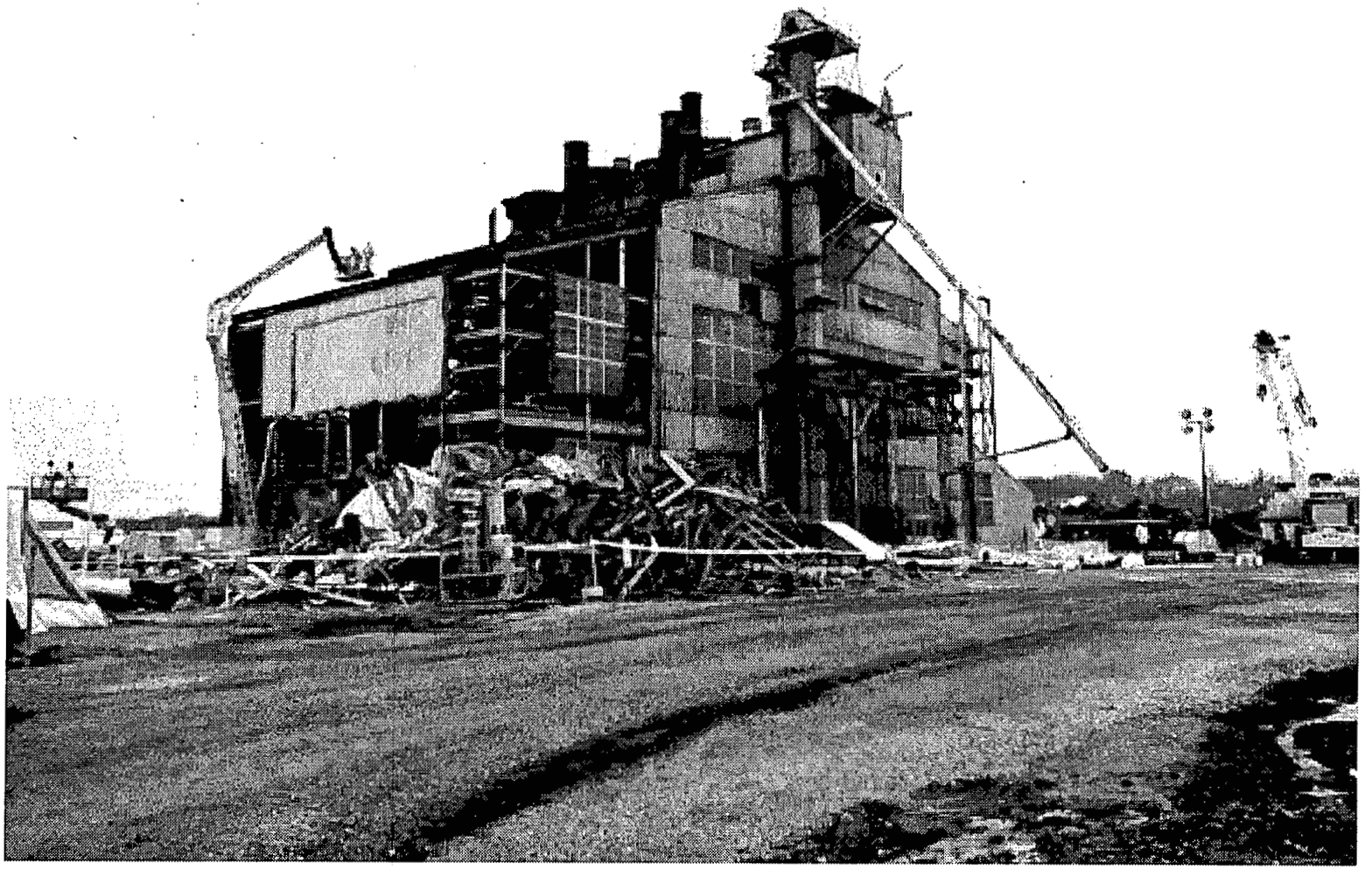
BOILER PLANT
DECEMBER 1997



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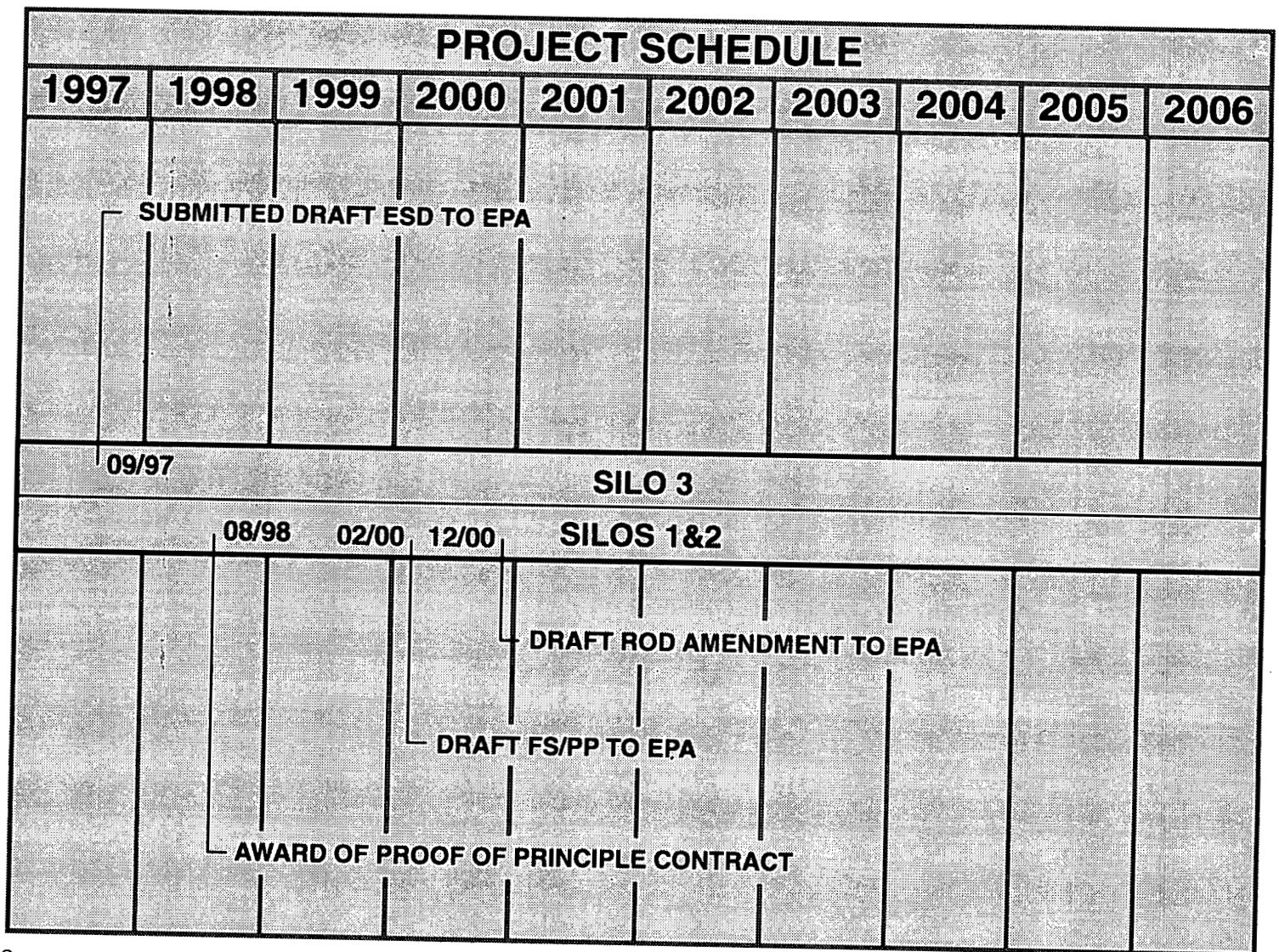
OU4 - SILOS PROJECT



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OU4 - SILOS PROJECT

Major Work Activities - November/December 1997

Silos 1 & 2 Project

- Prepared initial draft of Request for Proposal (RFP) for Multi-Tech Proof-of-Principle Testing; briefed stakeholders on RFP, as well as on Initial Screening of Technologies, at 12/9/97 monthly briefing

OU4 - SILOS PROJECT

Major Work Activities - November/December 1997

Accelerated Waste Retrieval (AWR) Project

- Convened Critical Analysis Team 12/9/97 through 12/11/97 to evaluate conceptual strategy
- Issued Commerce Business Daily announcement 12/16/97
- Submitted Draft National Environmental Policy Act (NEPA) Supplemental Analysis to DOE-FEMP for review & transmittal to DOE-OH

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OU4 - SILOS PROJECT

Major Work Activities - November/December 1997

Silo 3 Project

- Issued Draft Final Explanation of Significant Differences (ESD)
  - Opened public comment period 11/17/97
  - Held public hearing locally 11/25/97
  - Held public hearing at Nevada stakeholders' meeting 12/2/97
- Closed ESD public comment period 12/16/97; initiated preparation of Responsiveness Summary & Final ESD
- Issued Draft RFP; began incorporation of comments from stakeholders, regulators & vendors
- Initiated System Operability/Mock-Up Testing of Small Scale Waste Retrieval at Silo 4

OU4 - SILOS PROJECT

Enforceable Milestones - November/December 1997

- Submitted the following deliverables to Agencies under the auspices of the OU4 Dispute Settlement Agreement:
  1) Work Plan for Establishment of a Conservation Area Near the FEMP - 11/20/97
  2) Work Plan for Research Grants for Ecological Restoration - 11/20/97
  3) Work Plan for Habitat Area Project - 12/29/97

OU4 - SILOS PROJECT

90-Day Look Ahead - Work Activities
Silos 1 & 2 Project

- Gather stakeholder comments on RFP and Initial Screening of Technologies at monthly briefing - 1/98; finalize & issue RFP - actual date to be based on stakeholder involvement

- Commence preparation of initial sections of Feasibility Study revision - 2/98

OU4 - SILOS PROJECT

90-Day Look Ahead - Work Activities

Accelerated Waste Retrieval (AWR) Project

- Make Draft NEPA Supplemental Analysis available to stakeholders - 1/98

- Continue development of Draft RFP

OU4 - SILOS PROJECT

90-Day Look Ahead - Work Activities
Silo 3 Project

- Submit Final ESD for USEPA approval - 1/98

- Issue response to comments on Draft RFP & finalize qualified bidders list - 1/98; issue Final RFP - 3/98 (tentative - actual date to be based on stakeholder involvement)

- Complete System Operability/Mock-Up Testing of Small Scale Waste Retrieval System at Silo 4 & initiate equipment installation at Silo 3 - 2/98; conduct pre-start reviews & begin waste retrieval - 3/98

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OU4 - SILOS PROJECT

90-Day Look Ahead - Milestones

- Submit Silo 3 Remedial Design Work Plan to Agencies - 3/98; contingent upon 1/98 receipt of Agency approval of Final ESD

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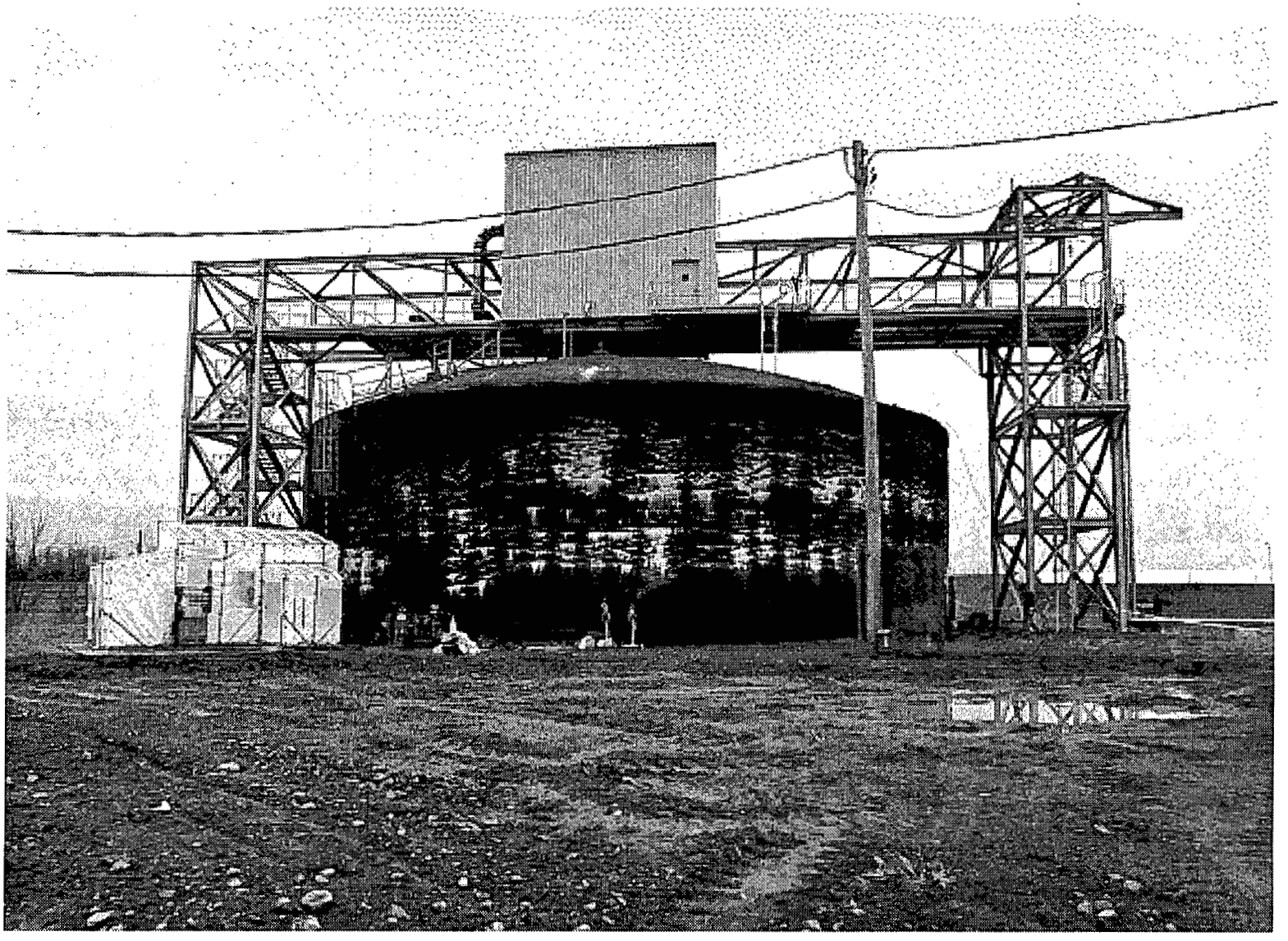
SMALL SCALE WASTE RETRIEVAL MOCK-UP
DECEMBER 1997



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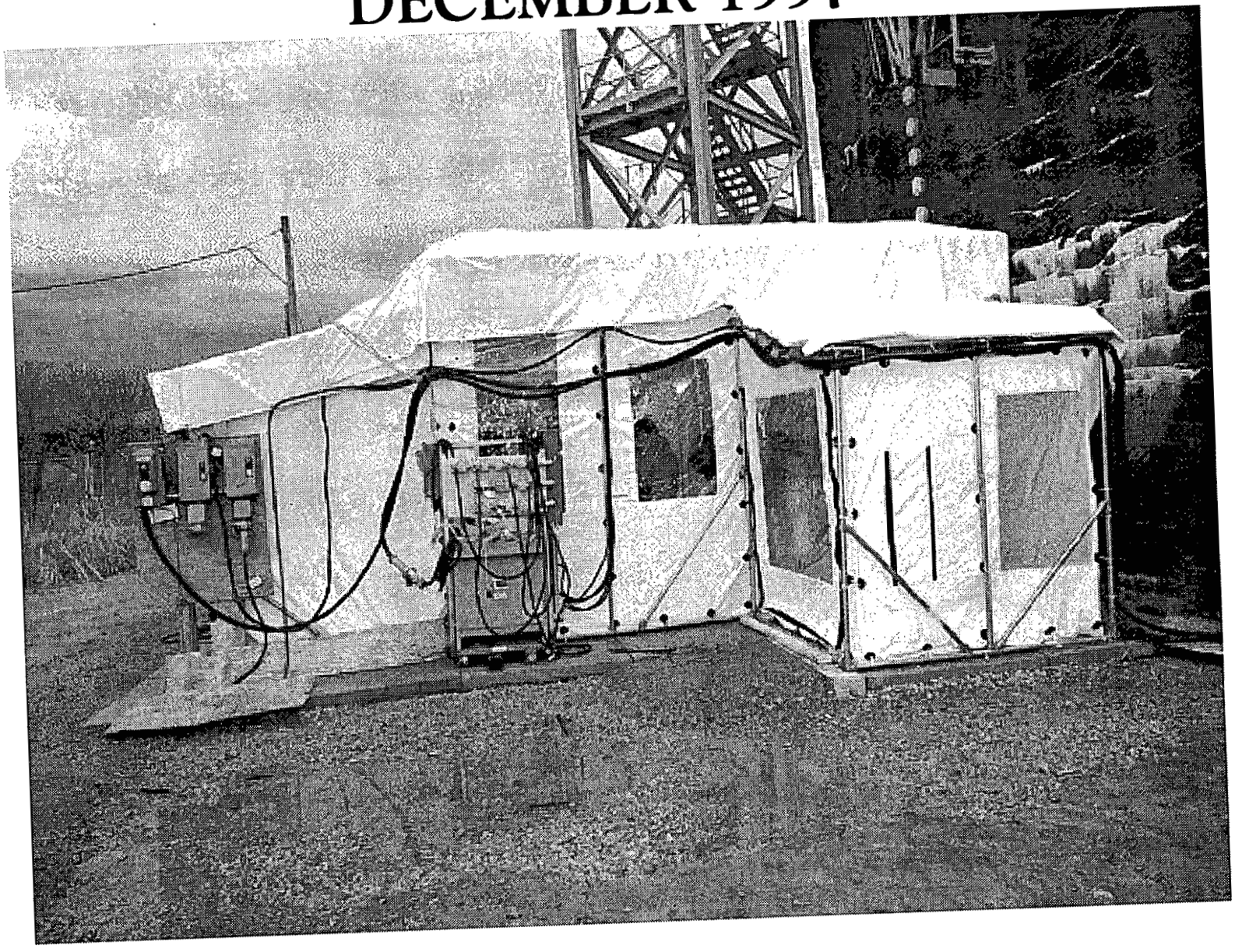
SMALL SCALE WASTE RETRIEVAL MOCK-UP
DECEMBER 1997



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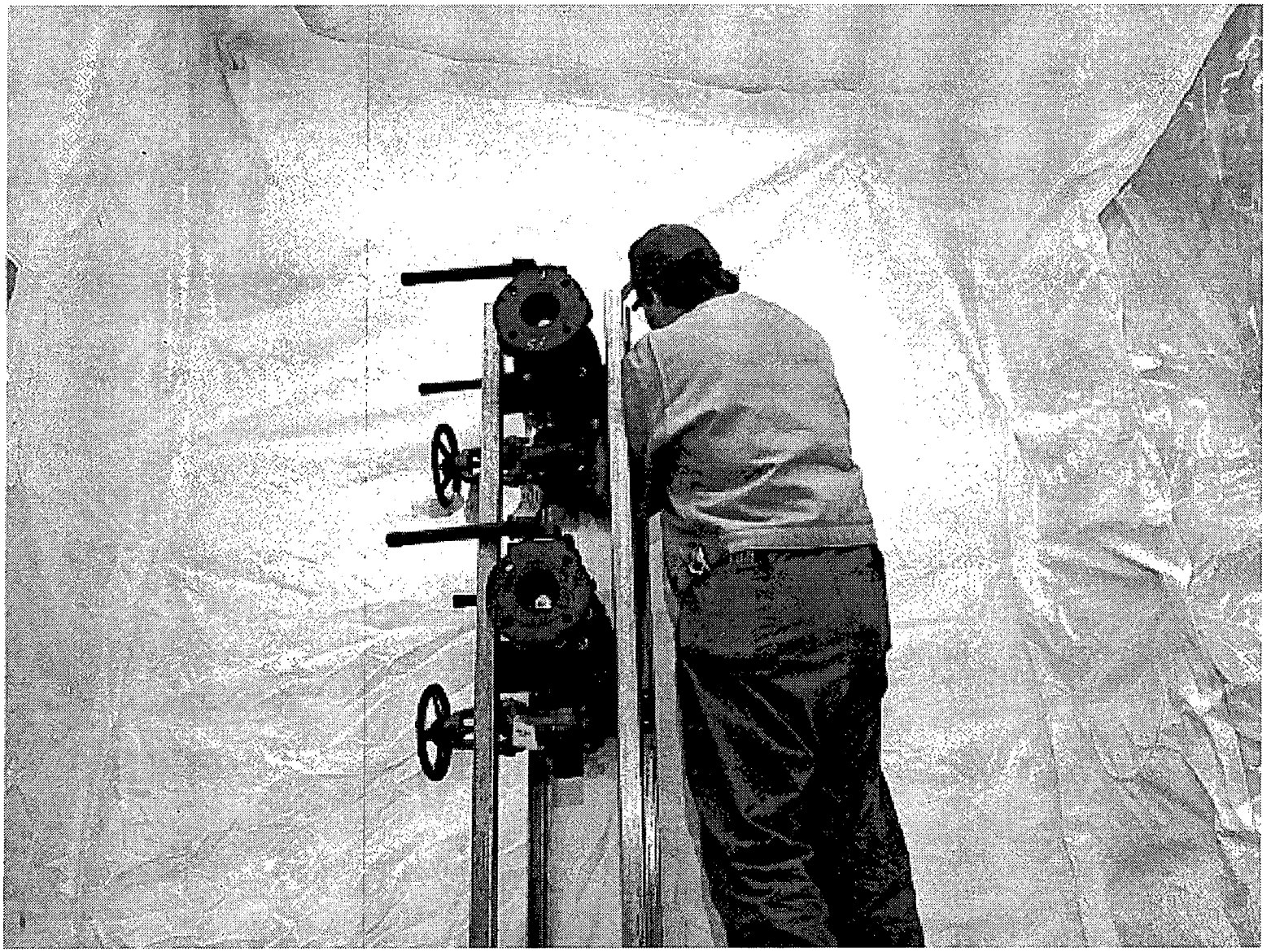
SMALL SCALE WASTE RETRIEVAL MOCK-UP
DECEMBER 1997



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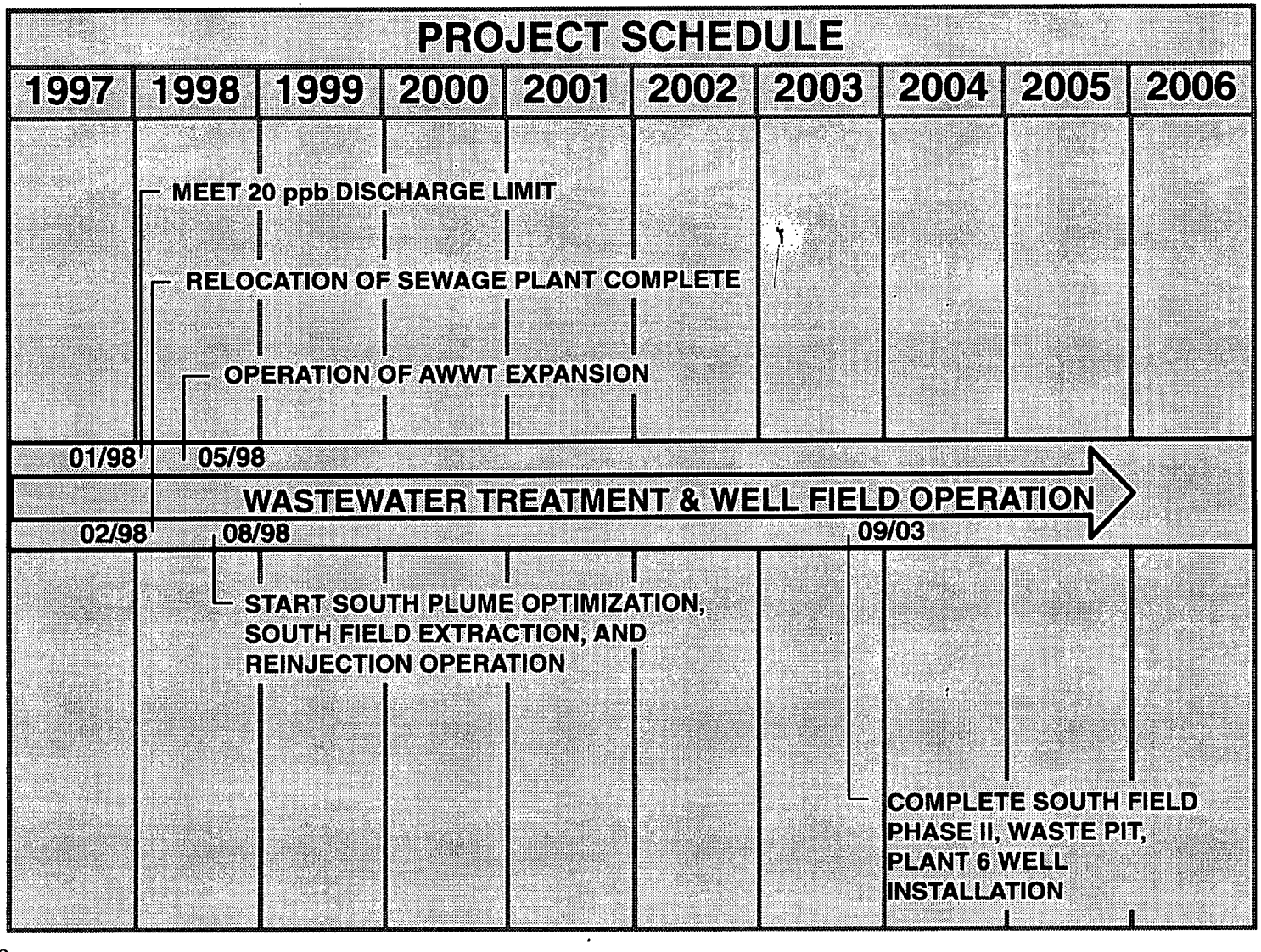
OU5 - AQUIFER RESTORATION/ WASTEWATER PROJECT



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OU5 - AQUIFER RESTORATION/ WASTEWATER PROJECT

Major Work Activities - November/December 1997

- Relocated Biodenitrification/Effluent Treatment System to new Sewage Treatment Plant (STP); awarded contract for interconnecting piping for STP
- Completed Advanced Wastewater Treatment (AWWT) Resin Regeneration System construction
- Completed drilling of monitoring wells for Injection Demonstration System
- Continued various construction activities associated with
  - South Plume Optimization
  - Injection Demonstration System
  - South Field Extraction System
  - AWWT Facility Expansion

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OU5 - AQUIFER RESTORATION/ WASTEWATER PROJECT

Enforceable Milestones - November/December 1997

- Submitted Final Operations & Maintenance Master Plan to Agencies - 11/7/97
- Submitted National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report for 10/97 to OEPA - 11/13/97
- Submitted NPDES Discharge Monitoring Report for 11/97 to OEPA - 12/12/97
- Submitted first quarterly Integrated Environmental Monitoring Program Report to Agencies - 12/19/97

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OU5 - AQUIFER RESTORATION/ WASTEWATER PROJECT

90-Day Look Ahead - Major Work Activities

- Submit South Field Extraction System/South Plume Optimization Startup Monitoring Plan to Agencies - 1/98
- Complete AWWT Facility Expansion construction & perform Integrated Construction Acceptance Testing (ICAT) and System Operability Testing (SOT) - end of 3/98
- Perform ICAT, SOT & Standard Startup Review on AWWT Resin Regeneration System - end of 3/98
- Complete STP construction & perform ICAT and SOT - end of 3/98

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OU5 - AQUIFER RESTORATION/ WASTEWATER PROJECT

Enforceable Milestones Due in Next 90 Days

- Submit NPDES Report to OEPA - each month
- Meet 20 ppb monthly average uranium discharge limit to Great Miami River - beginning 1/98
- Submit Restoration Area Verification Sampling Report (groundwater remedial footprint) to Agencies - 3/98

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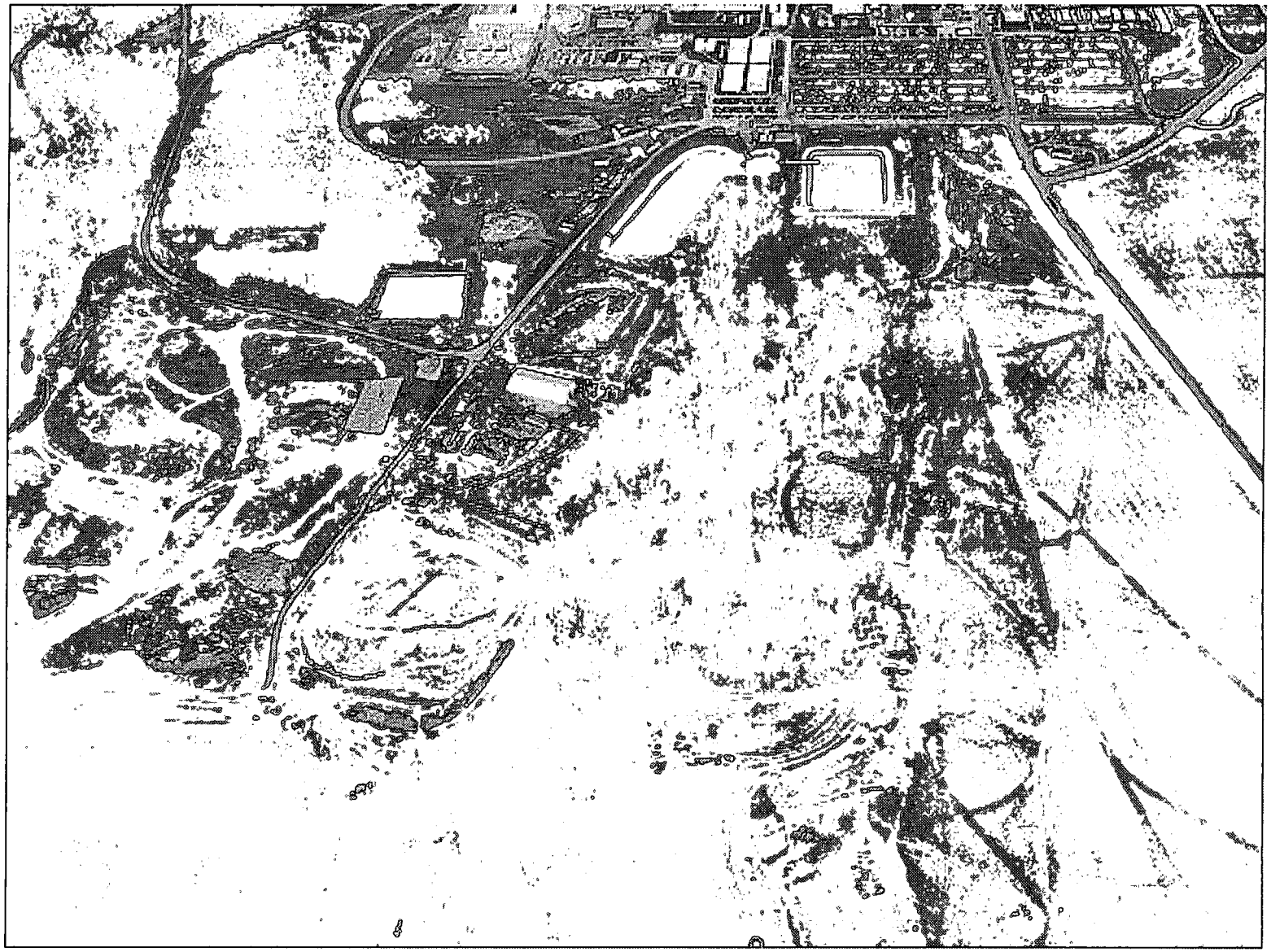
AQUIFER RESTORATION
NOVEMBER 1997



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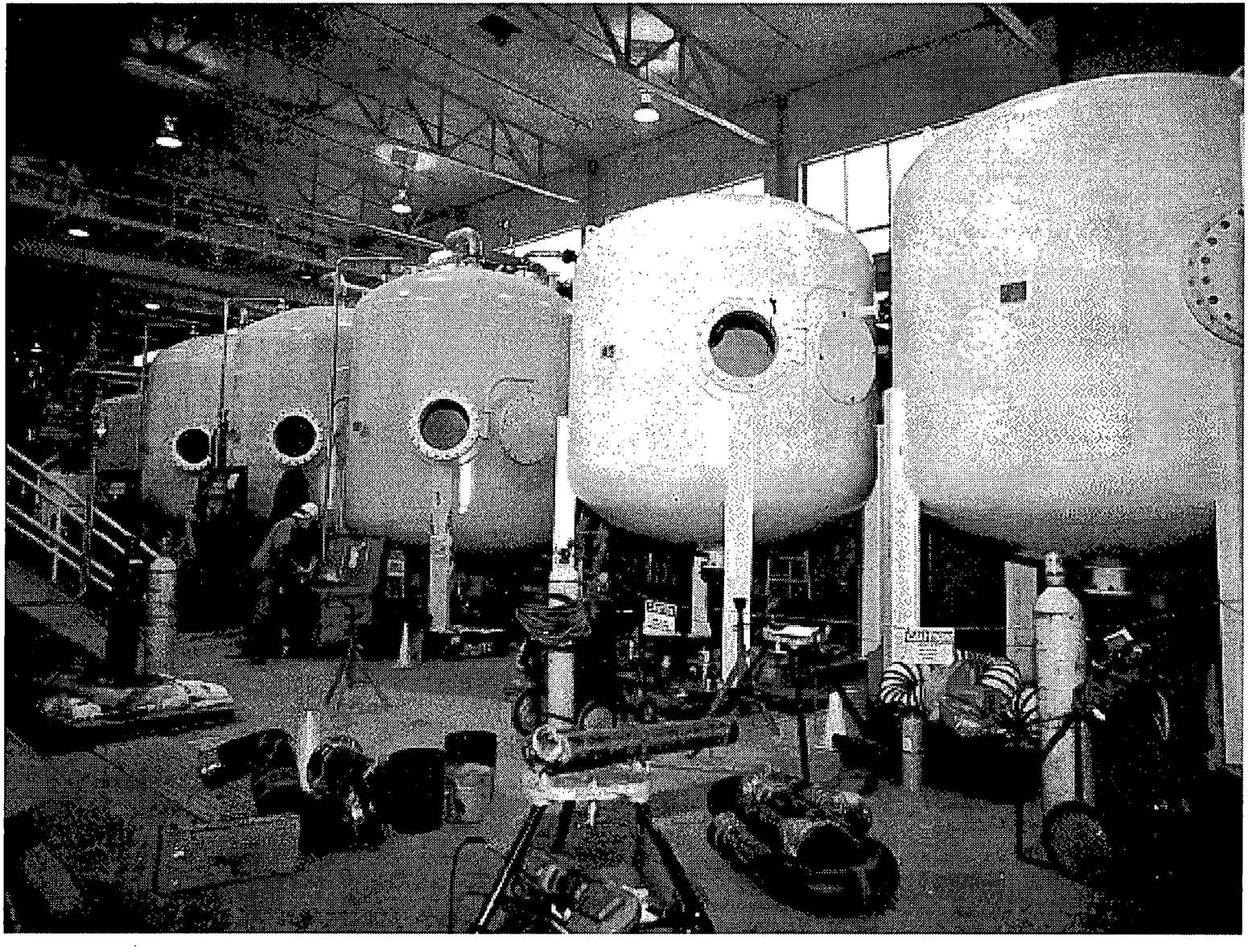
AWWT FACILITY EXPANSION- ION EXCHANGE VESSELS -DECEMBER 1997



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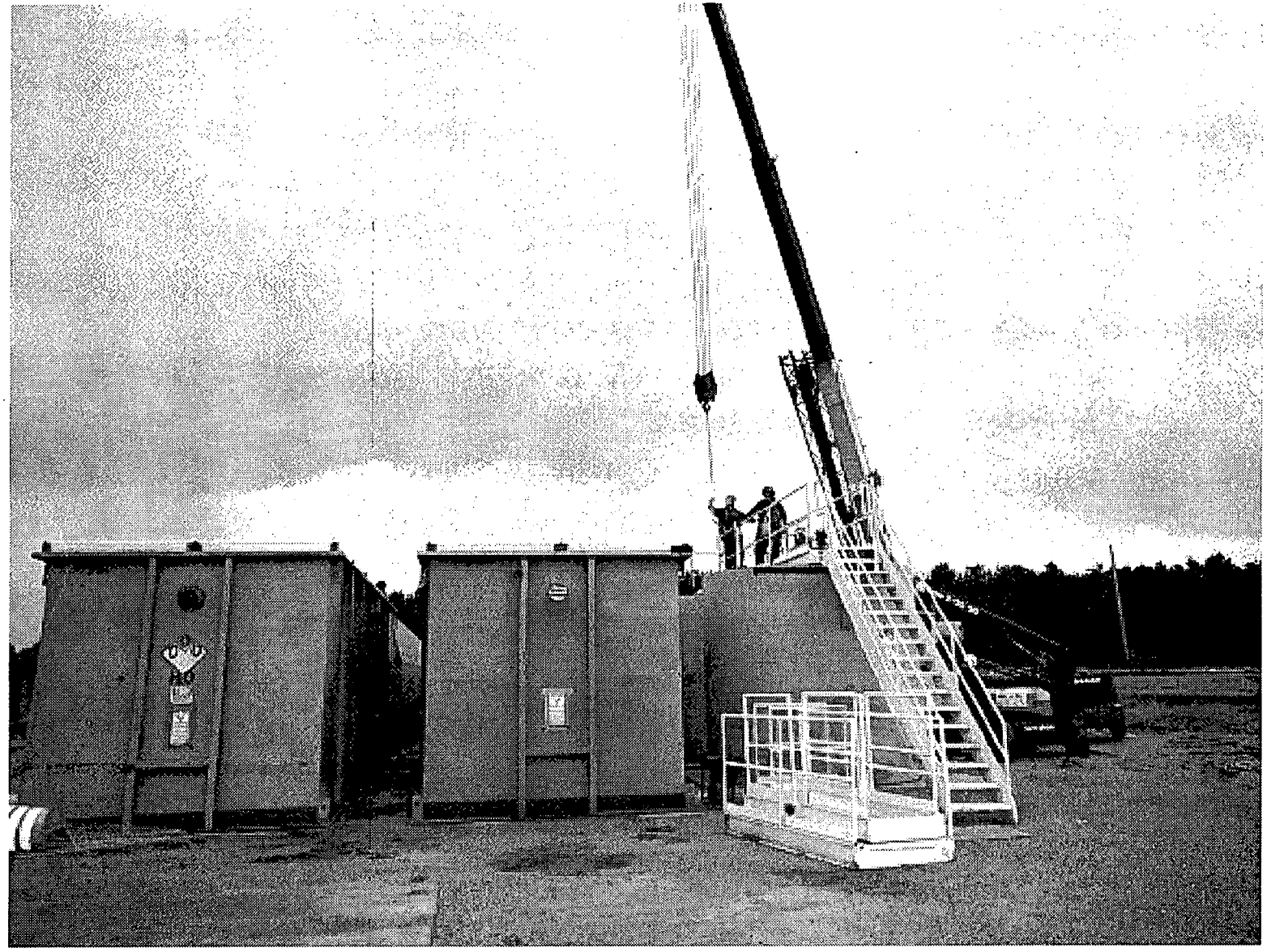
SEWAGE TREATMENT PLANT - TANK RELOCATION- DECEMBER 1997



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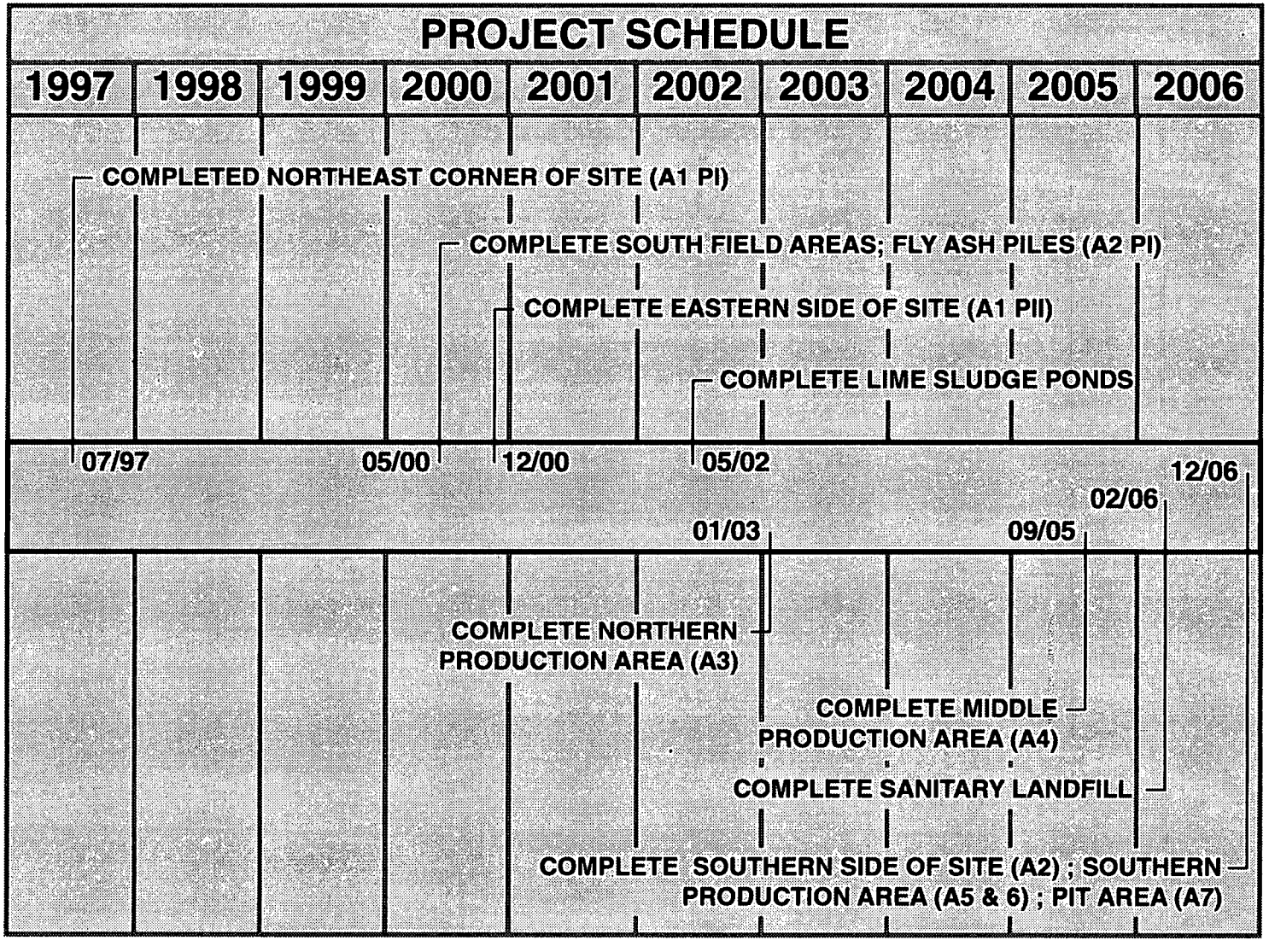
OU5 - Soil Characterization & Excavation Project



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OU5 - SOIL CHARACTERIZATION & EXCAVATION PROJECT

Major Work Activities - November/December 1997

- Submitted Paddys Run Embankment Stabilization Project Work Plan & associated Conceptual Design Report to Agencies
- Obtained approval to proceed with Paddy's Run Stablization Project
- Continued field implementation of Area 2 Phase I (Southern Waste Units) Site Prep Package
- Submitted Certification Design Letter and obtained EPA approval to proceed with the implementation of the Certification Sampling for Area 1 Phase II
- Initiated the Procurement Process (RFP) for excavation of the Southern Waste Units (Area 2 Phase I) and construction of Phase II of the OSDF

OU5 - SOIL CHARACTERIZATION & EXCAVATION PROJECT

Enforceable Milestones - November/December 1997

- Submitted Prefinal Area 1 Phase II (Southern Half of East Field) Integrated Remedial Design Package (IRDP) to Agencies 11/21/97

- Submitted Area 2 Phase I Final Design/Certified for Construction Excavation Package design drawings - Enforcable Milestone scheduled for 2/16/98

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OU5 - SOIL CHARACTERIZATION & EXCAVATION PROJECT

90-Day Look Ahead - Major Work Activities

- Submit revised Area 2 Phase I Design Change Notices to construction drawings/technical specifications for the excavation of the Southern Waste Units; continue field implementation of Site Prep package; continue the procurement process for the excavation of the Southern Waste Units
- Submit Draft Work Plan for Aesthetic Barrier Project
- Submit Addendum to OU5 Remedial Design Work Plan outlining strategy for off-property Final Remediation Level (FRL) certification

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OU5 - SOIL CHARACTERIZATION & EXCAVATION PROJECT

90-Day Look Ahead - Major Work Activities (Continued)

- Initiate FRL precertification field activities for Area 8 Phase I (on-property OU5 soil in area west of Paddy's Run) to accomodate Natural Resource Restoration Activities
- Perform required sampling activities for the Area 1 Phase I West Soil Stockpile Waste Acceptance Criteria (WAC) Determination
- Continue development and implementation of Project Specific Plans for Area 3 (portion of former production area north of 2nd Street)

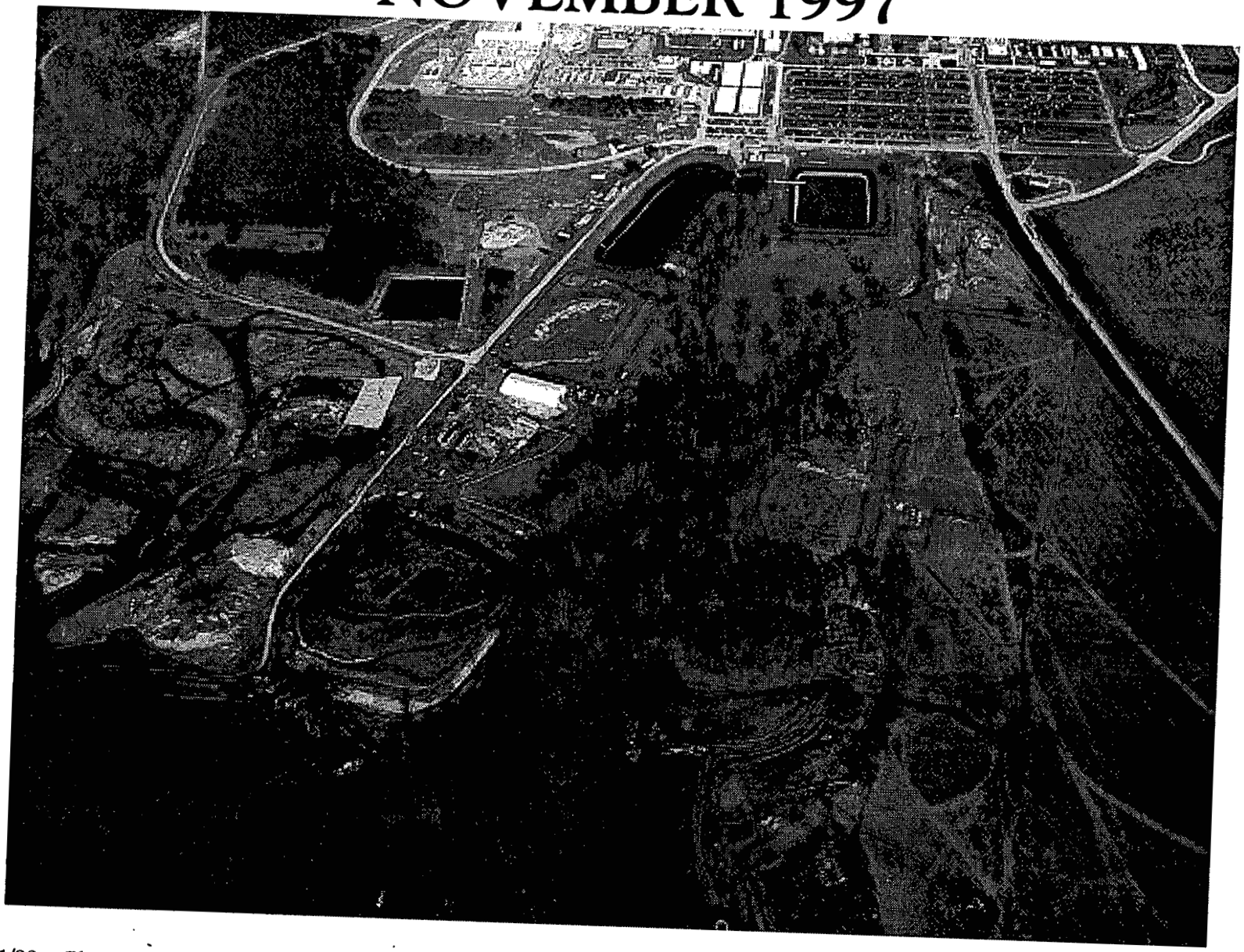
OU5 - SOIL CHARACTERIZATION & EXCAVATION PROJECT

90-Day Look Ahead - Major Work Activities (Continued)

- Submit Response to Comments to Agencies for:
  - Sitewide Excavation Plan
  - Area 1 Phase I Certification Report
  - Area 2, Phase I Response to Comments
- Submit Revised WAC Plan to Agencies - 1/31/98
- Submit Real-Time Radiological Systems Usability and Limitations Document to Agencies - 3/31/98

No Enforceable Milestones Due In Next 90 Days

SOUTHERN WASTE UNITS
NOVEMBER 1997



4880.6G 1/98 Photo # 6787-12

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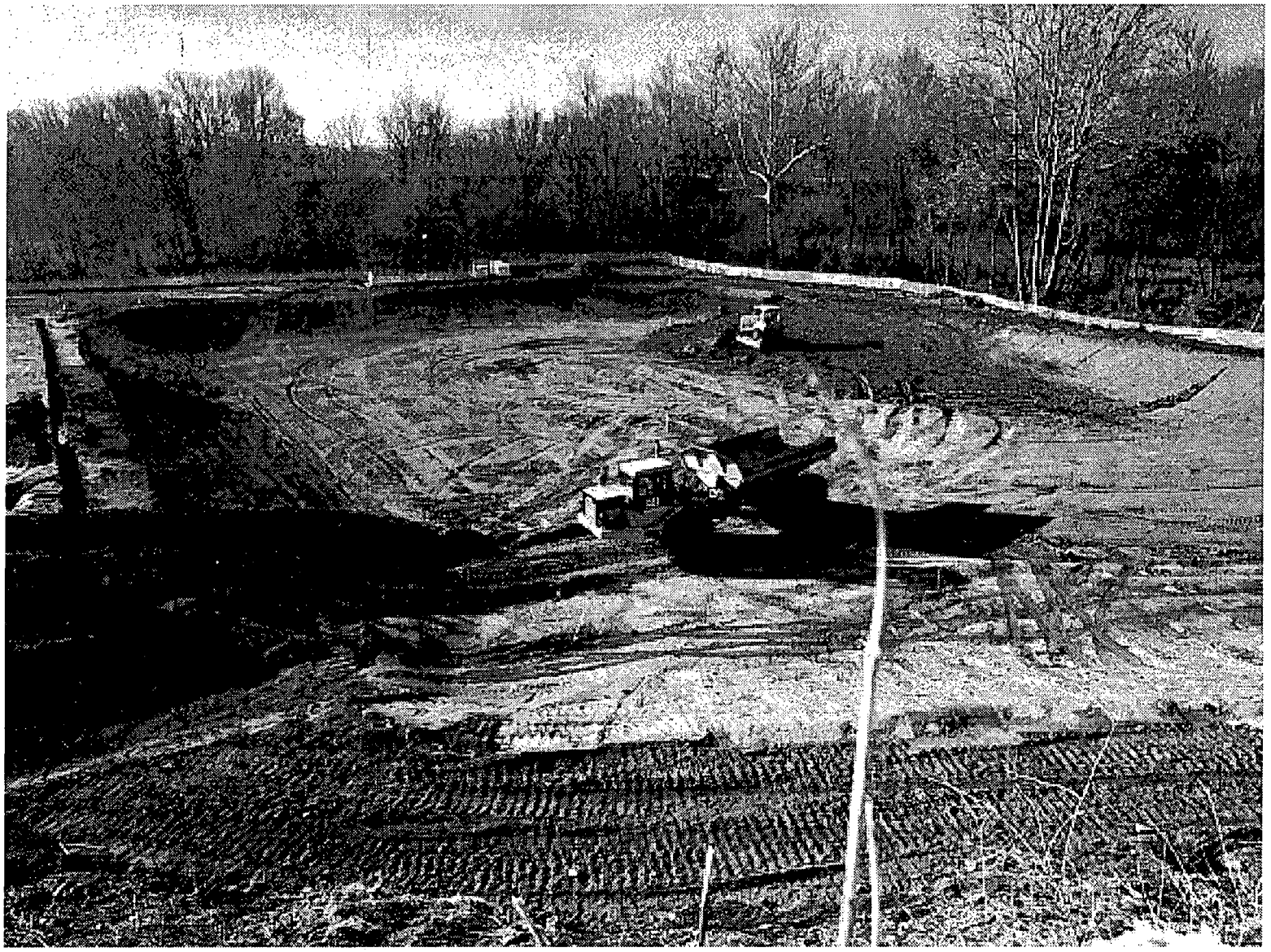
SOUTHERN WASTE UNITS - RETENTION BASIN #1 -DECEMBER 1997



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4880.6H 1/98 Photo # 6734-235

PADDY'S RUN EROSION
SEPTEMBER 1997

4880.6I 1/98 Photo 6690-1

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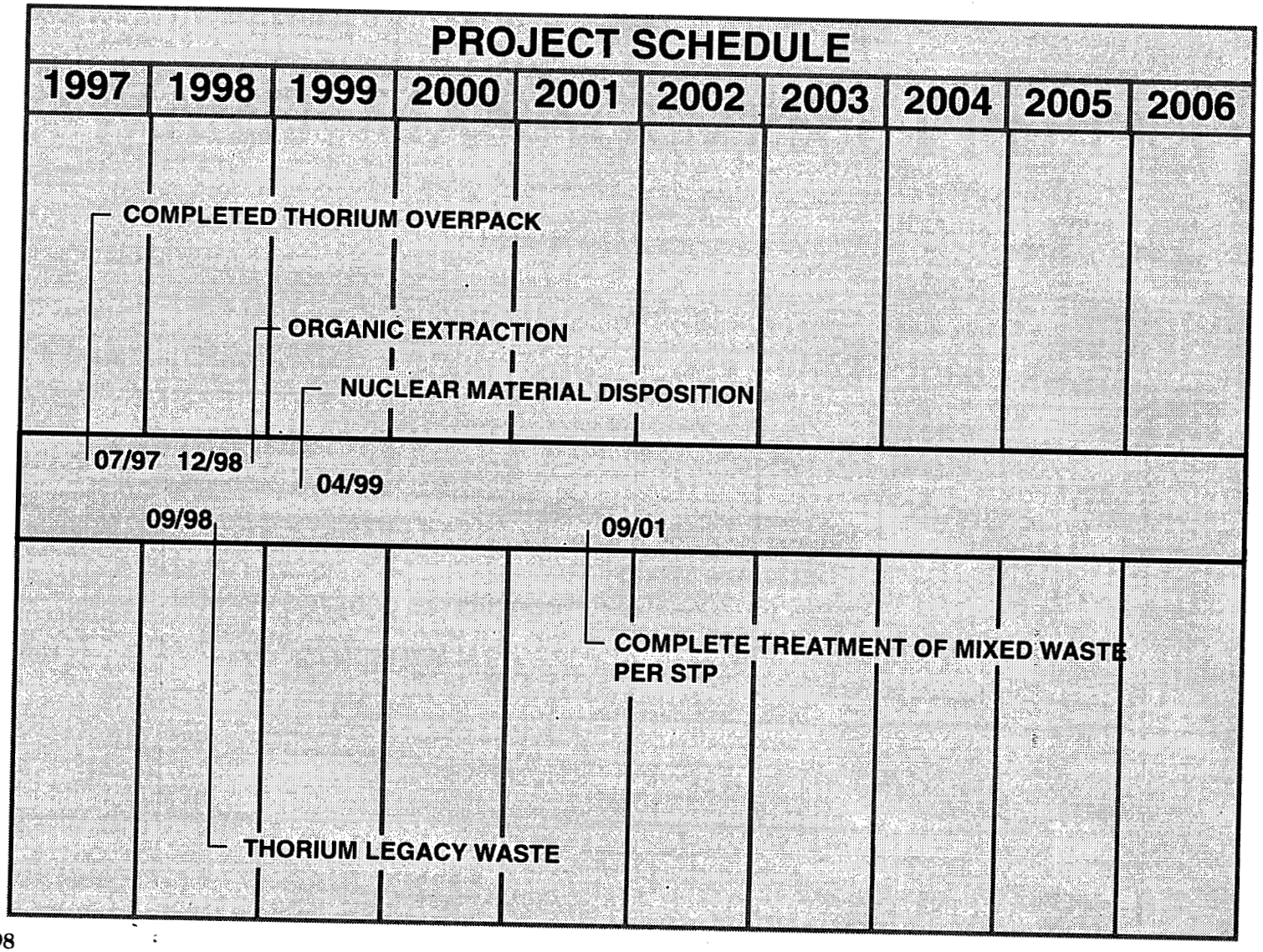
WASTE MANAGEMENT PROJECT



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WASTE MANAGEMENT PROJECT

Major Work Activities - November/December 1997

- RCI Solvent Extraction Project - Completed demonstration phase; after examination of analytical results, it was determined that contract option for full-scale treatment will not be implemented
- Nuclear Materials Inventory -

Depleted	8,476,689 pounds
Normal	438,546 pounds
Enriched	6,715,587 pounds

- Initiated operability tests of T-Hopper Repackaging System

No Waste Management Enforceable Milestones Due in November/December 1997

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4880.7B 1/98

WASTE MANAGEMENT PROJECT

90-Day Look Ahead - Work Activities

- Solvent Extraction Project - Prepare Commerce Business Daily announcement requesting letters of interest from qualified vendors to treat tri-mixed & mixed waste in project - 1/98; issue Request for Proposal to qualified vendors - 3/98

- Liquid Mixed Waste Project - Ship Batch #7 (19,000+ gallons Mixed Waste) to TSCA Incinerator - 2/98; ship Batch #8 (newly generated & recharacterized low level waste) - 3/98

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WASTE MANAGEMENT PROJECT

90-Day Look Ahead - Work Activities (Continued)

- Initiate T-Hopper Repackaging Project - 2/98, contingent upon successful completion of Systems Operability Testing & Standard Startup Review
- Complete DOE Type B Investigation of White Metal Box Incidents - 1/31/98

No Waste Management Milestones Due in Next 90 Days

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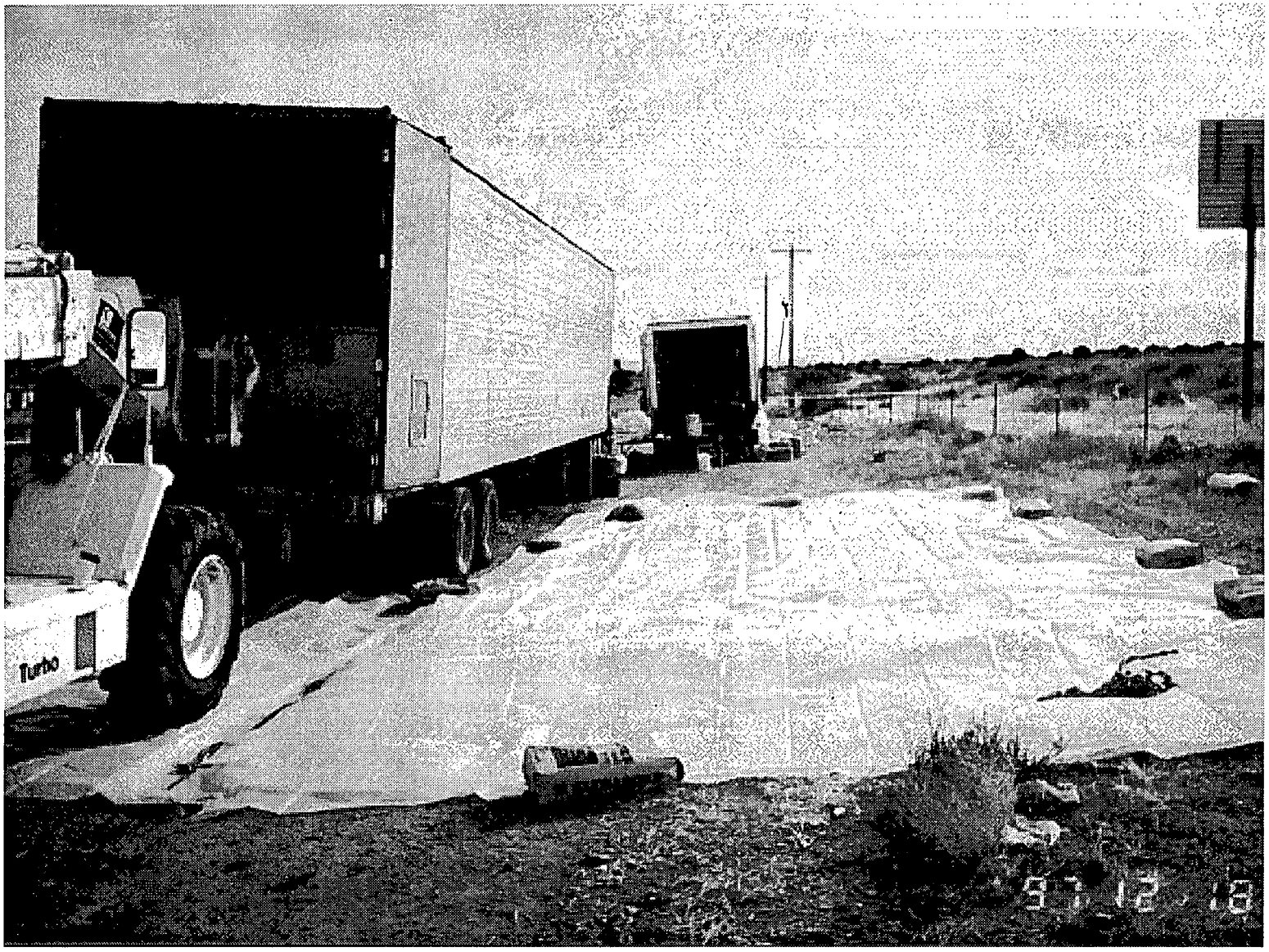
WHITE METAL BOX - KINGMAN, ARIZONA
DECEMBER 1997



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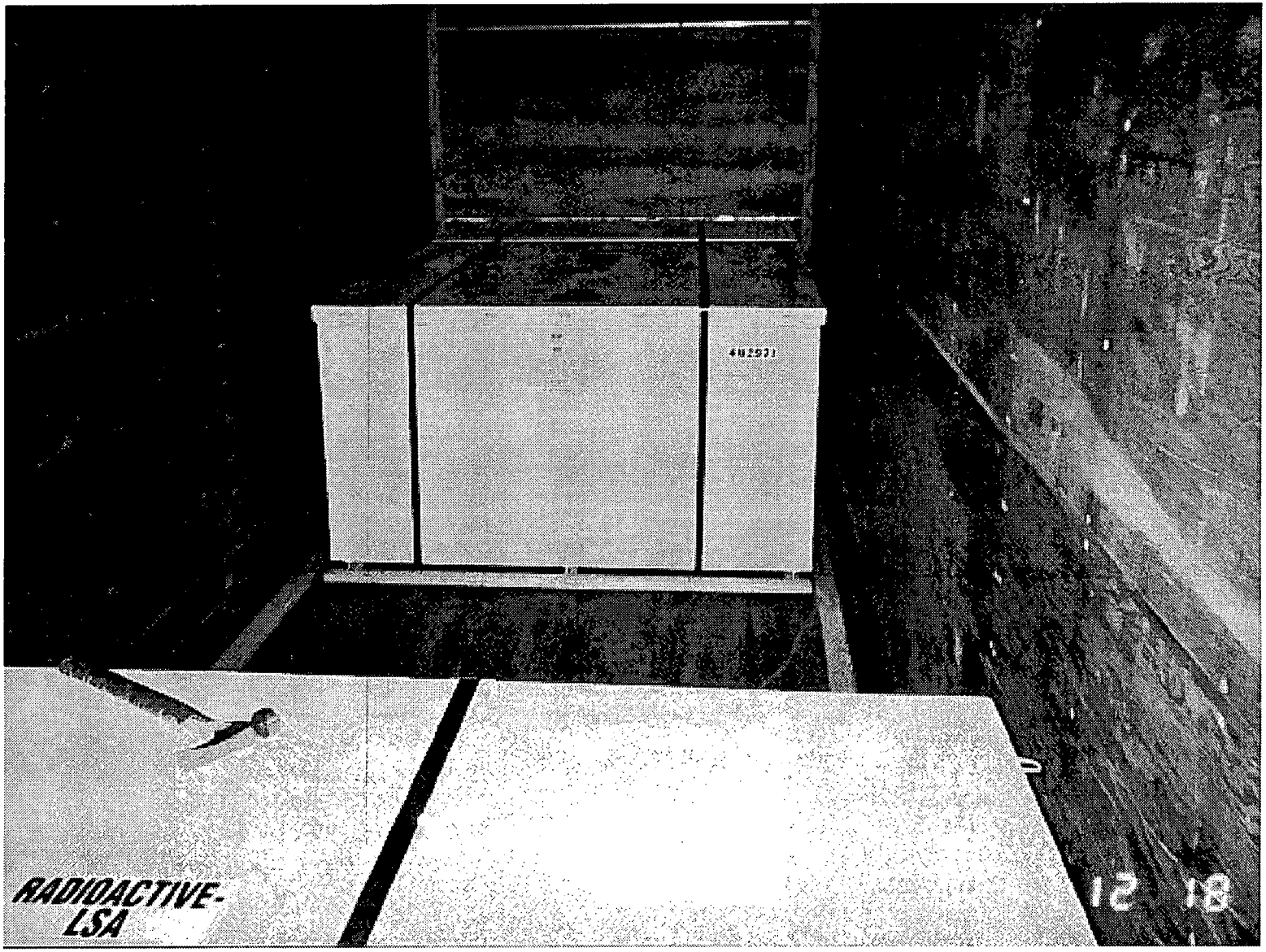
WHITE METAL BOX - KINGMAN, ARIZONA
DECEMBER 1997



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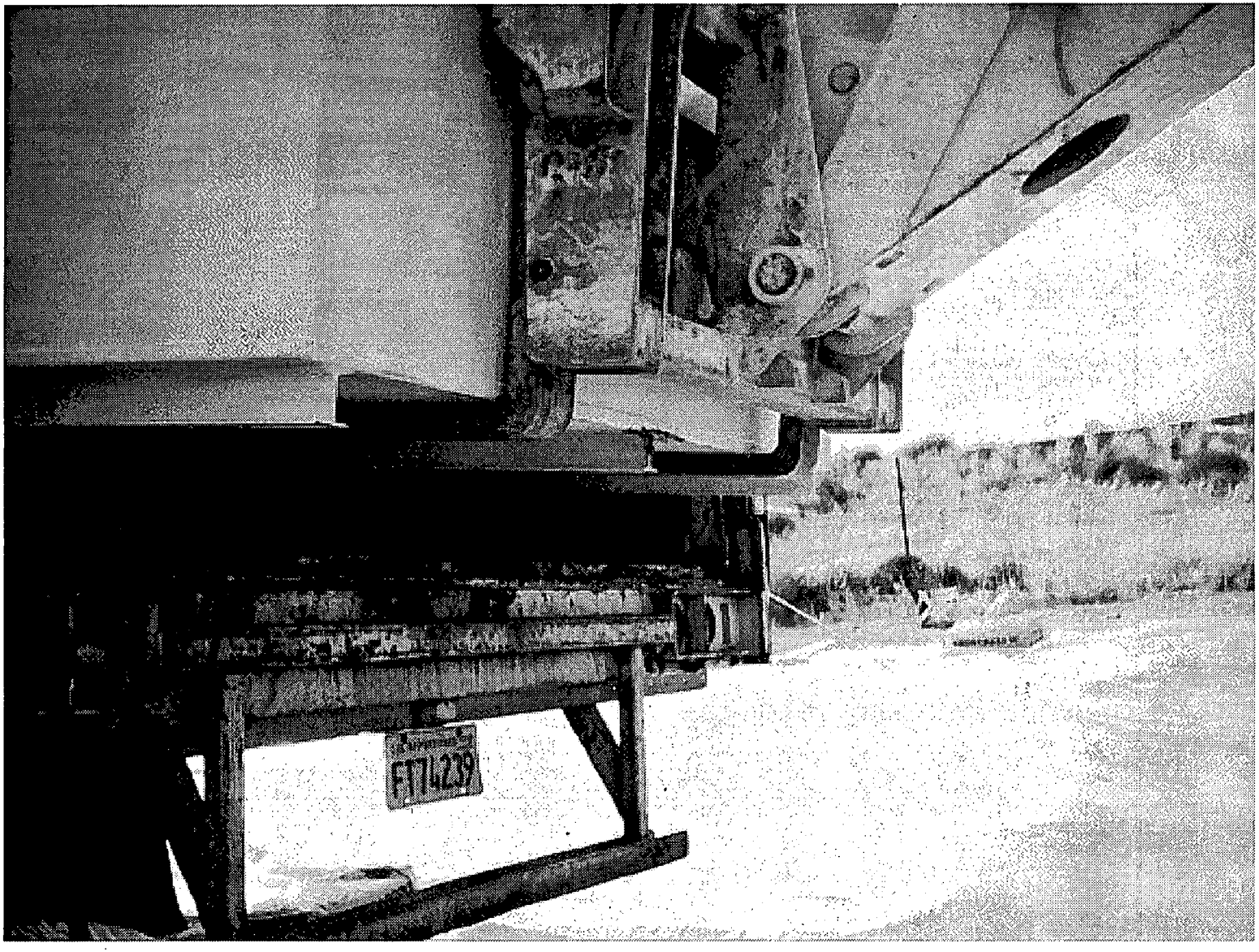
4880.7F 1/98 Photo # 6796-8

WHITE METAL BOX - KINGMAN, ARIZONA
DECEMBER 1997



4880.7G 1/98 Photo # 6796-11

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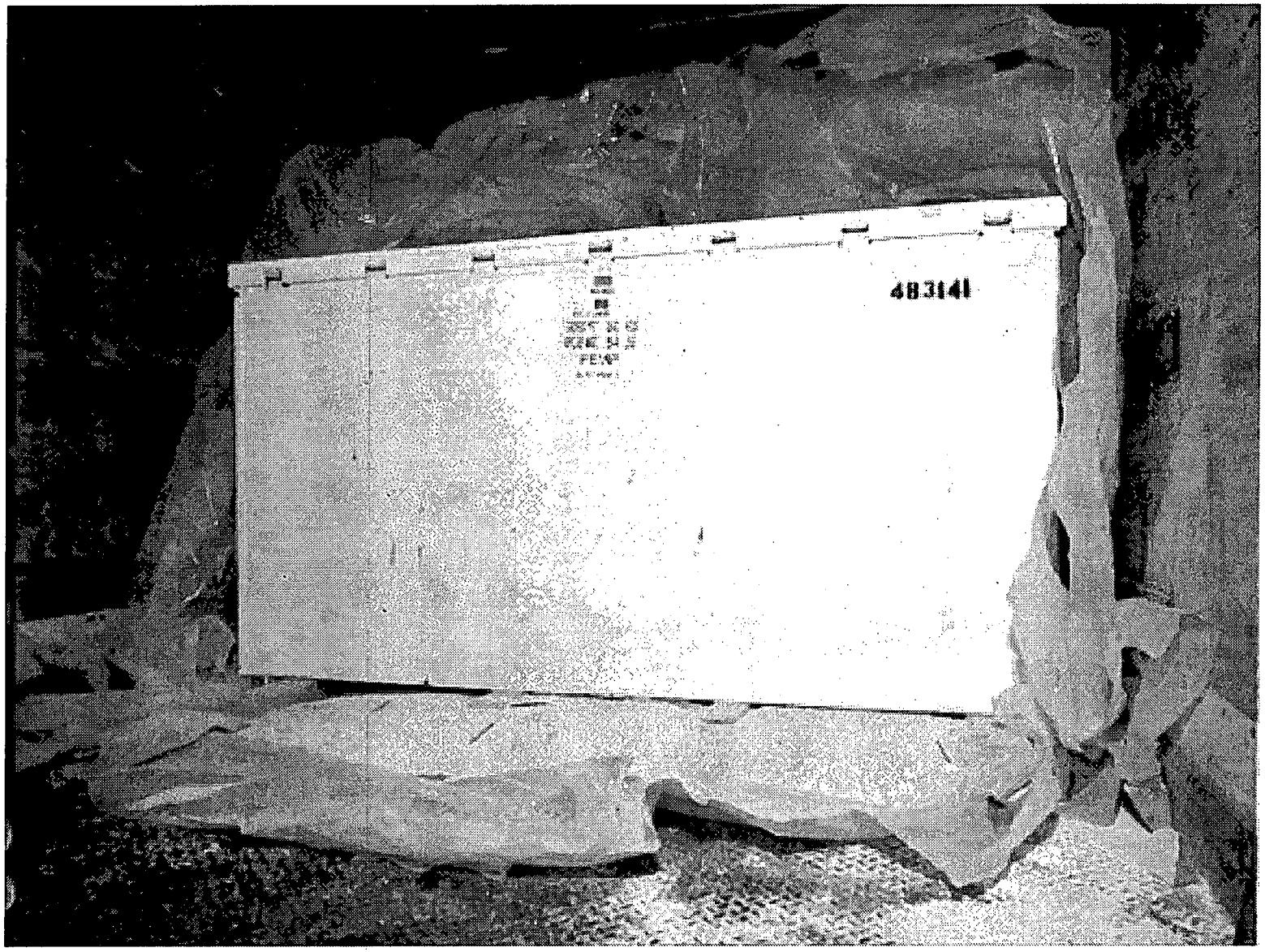
WHITE METAL BOX - PATCH
DECEMBER 1997



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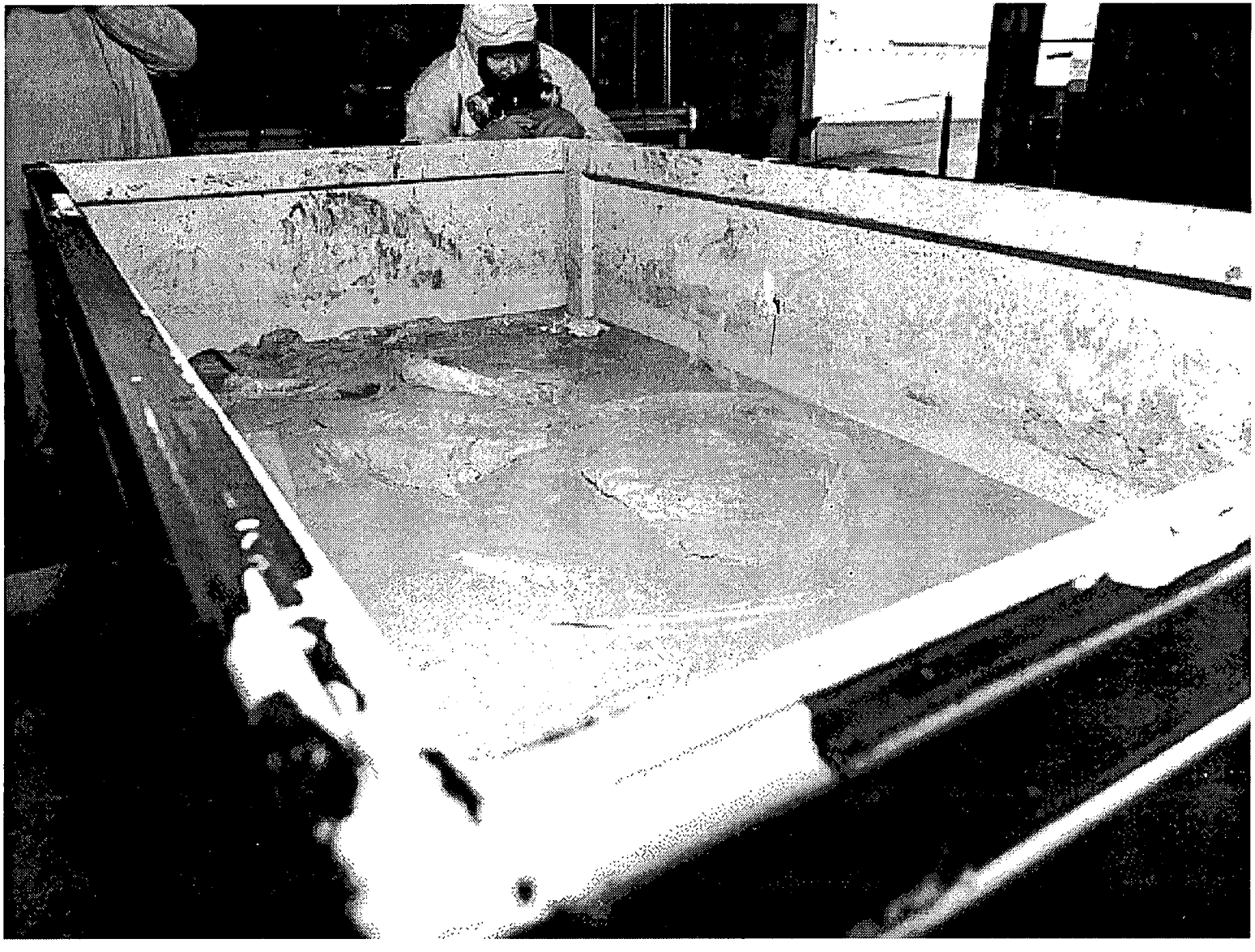
4880.7H 1/98 Photo # 6788-110

WHITE METAL BOX - INTERIOR
DECEMBER 1997



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WHITE METAL BOX - INTERIOR
DECEMBER 1997

4880.7J 1/98 Photo # 6788-86

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PROJECT MANAGEMENT

Ohio "Accelerated" Plan

- DOE-FEMP submitted initial draft to DOE-OH 11/11/97
- Resolved DOE-OH comments & resubmitted draft 11/21/97
- Submitted draft to DOE-HQ 11/25/97
- Resolved comments & resubmitted draft 12/18/97

National (EM 2006) Plan Review

- All Draft 2006 Plans undergoing DOE-HQ review & analysis
- Official submittal to Congress with FY99 presidential budget scheduled for early 2/98, followed by 45-day public comment period
- Pending comment resolution, official release of Initial Draft National 2006 Plan anticipated in late 6/98

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PROJECT MANAGEMENT

FY99 Replan Change Proposal (CP)

- Fluor Daniel Fernald (FDF) supplied DOE-FEMP with FY99 CP 12/15/97
- DOE-FEMP to respond with comments by 1/27/98
- FDF response/incorporation of necessary revisions due 30 days from receipt of comments

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FERNALD CLEANUP PROGRESS BRIEFING
JANUARY 1998

7:35 p.m.	Silos 1 and 2 Proof of Principle Request for Proposal (RFP)	Dennis Nixon
7:55 p.m.	Review of Critical Analysis Team Report	Don Paine
8:10 p.m.	Comments/Responses on Silo 3 RFP	Karen Wintz
8:30 p.m.	Adjourn	

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SILOS PROJECT
SILOS 1&2 PROOF OF PRINCIPLE
Request for Proposal Briefing
Introduction

What is Proof of Principle Testing?

- Large-scale (1 ton of treated waste/day) test designed to obtain reliable quantitative data for technologies that are technically feasible and commercially available

- Proof of Principle testing will provide: pre-conceptual engineering; cost estimates; and scheduling to support detailed analysis of alternatives

SILOS PROJECT
SILOS 1&2 PROOF OF PRINCIPLE
Request for Proposal Briefing
Introduction

Why perform Proof of Principle testing?

- Actual commercial data is required to ensure high quality, comprehensive evaluation of alternatives in Feasibility Study

- Specially required by Settlement Document in regard to "Dispute Concerning Denial of Request for Extension of Time for Certain Operable Unit 4 Milestones."

SILOS PROJECT
SILOS 1&2 PROOF OF PRINCIPLE
Request for Proposal Briefing
Technologies To Be Considered

Technologies	Source of Technologies		
	IRT	Silo 3 ESD	CBD
Joule-Heated Vitrification	X		X
Cyclone Vitrification			X
Rotary Vitrification			X
Plasma Arc Vitrification			X
Cement-based Stabilization	X	X	X
Ceramic Encapsulation	X	X	X
Polymer Phosphate Stabilization			X
Chemical Stabilization (non cement-based)	X	X	X
Polymer-Based Encapsulation	X	X	X
Thermal Stabilization	X	X	

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SILOS PROJECT
SILOS 1&2 PROOF OF PRINCIPLE
Request for Proposal Briefing
Preliminary Screening

- Technologies Screened Based on:
  - Effectiveness
  - Implementability
  - Cost

SILOS PROJECT
SILOS 1&2 PROOF OF PRINCIPLE
Request for Proposal Briefing
Technology Families

Interested vendors will be grouped into four technology families including:

- Vitrification - Joule-heated
- Vitrification - Non-Joule-heated
- Chemical Stabilization - Cement
- Chemical Stabilization - Non-Cement Based

Vendors will be evaluated and one contract will be awarded in each family

SILOS PROJECT
SILOS 1&2 PROOF OF PRINCIPLE
Request for Proposal Briefing
Path Forward

- Public comments and/or concerns to be addressed at January 13, 1998 Cleanup Progress Briefing
- Issue Request for Proposal by April 14, 1998
- Award Request for Proposal by August 10, 1998
- Ongoing updates on status of project will be provided at monthly Cleanup Progress Briefings

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ACCELERATED WASTE RETRIEVAL (AWR) CRITICAL ANALYSIS TEAM REVIEW

- Objectives:
  - Evaluate conceptual Silos 1 & 2 Accelerated Waste Retrieval (AWR) strategy
  - Provide recommendations for enhancing AWR strategy
  - Identify future opportunities during project for further critical analysis by technical experts

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ACCELERATED WASTE RETRIEVAL (AWR) CRITICAL ANALYSIS TEAM REVIEW

- Critical Analysis Team Members
  - Todd Martin, Team Leader
  - Gail Bingham
  - Eric Newberry Jr.
  - Robert Roal

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ACCELERATED WASTE RETRIEVAL (AWR) CRITICAL ANALYSIS TEAM REVIEW

- Conclusions:
  - Critical analysis team supports AWR strategy
  - Strategy appears to be a sound step toward treatment and disposal of Silos 1 & 2 residues

ACCELERATED WASTE RETRIEVAL (AWR) CRITICAL ANALYSIS TEAM REVIEW

- Pros:
  - Reduce risk of radon release as a result of catastrophic failure
  - Reduce personnel and environmental exposure to radon
  - First significant step in treatment and disposal of waste
  - Demonstrate waste retrievability
  - Provide homogenous feed to full-scale treatment plant

ACCELERATED WASTE RETRIEVAL (AWR) CRITICAL ANALYSIS TEAM REVIEW

- Pros (Continued):
  - Provide for ease of sampling and characterization of retrieved residues
  - Separate waste retrieval from waste treatment
  - Provide an early opportunity to address bentonite
  - Allow accelerated D&D of silo area
  - Relieve site construction congestion

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ACCELERATED WASTE RETRIEVAL (AWR) CRITICAL ANALYSIS TEAM REVIEW

- Cons:
  - Foster public perception that once waste is safely stored, DOE will take no further actions toward waste treatment and disposal
  - Increase cost of Silos Project
  - Increase waste handling
  - Increase short term risk as a result of additional construction activities

ACCELERATED WASTE RETRIEVAL (AWR) CRITICAL ANALYSIS TEAM REVIEW

- Summary:
  - Again, critical analysis team supports AWR strategy
  - Strategy appears to be sound step toward treatment and disposal of Silos 1 & 2 residues
  - Ongoing critical analysis by selected technical experts will be performed at critical points in AWR project

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SILO 3 REQUEST FOR PROPOSAL

Summary of Contractor Comments

- Received responses from 16 vendors
- Good feedback received
- General types of comments - 175 received
  - Administrative
  - Labor
  - Safety
  - Special Terms & Conditions
  - Scope of Work

SILO 3 REQUEST FOR PROPOSAL

Summary of Contractor Comments

- Administrative
  - Performance period
  - Limits on use of contractor resources
- Labor
  - Delineation of responsibilities
  - Payment
  - Training
  - Back charges

SILO 3 REQUEST FOR PROPOSAL

Summary of Contractor Comments

- Safety
  - Use of FDF Radiological/Health & Safety programs and personnel
  - ALARA evaluation
  - Safety basis documentation

- Special Terms & Conditions
  - Degree of risk
  - Treatability testing

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SILO 3 REQUEST FOR PROPOSAL

Summary of Contractor Comments

- Scope of Work
  - Availability of technologies
  - Waste Acceptance Criteria
  - Offsite Treatment
    - Requested feedback, although not part of RFP

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SILO 3 REQUEST FOR PROPOSAL

Summary of Contractor Comments

- Offsite Treatment
  - Solicited feedback on pros and cons
  - Constraints
    - NTS is only disposal facility currently available
    - Pretreatment required
  - Positive feedback
    - Use existing treatment equipment and expertise (No specific methods of implementation provided)
  - Negative feedback
    - Increased transportation and worker risks
    - Retrieve twice, treat twice, package twice, ship twice
    - Increased exposure
    - Increased cost to contractor
    - Proposals would not be competitive