CLEANUP PROGRESS BRIEFING

September 9, 1997, Alpha Building, 6 p.m.

AGENDA

6 p.m.	**Introduction to New Meeting Format**	Gary Stegner, DOE-FEMP Tricia Thompson, Fluor Daniel Fernald
6:10 p.m	**Project Updates**	Johnny Reising, DOE-FEMP
	Operable Unit 1 Waste Pits Remedial Action Project	Dave Lojek, DOE-FEMP Bob Fellman, Fluor Daniel Fernald
	Operable Unit 2 On-Site Disposal Facility Project	Jay Jalovec, DOE-FEMP Mike Hickey, Fluor Daniel Fernald
	Operable Unit 3 Facilities Closure & Demolition Project	John Trygier, DOE-FEMP Jamie Jameson, Fluor Daniel Fernald
	Operable Unit 4 Silos Project	Nina Akgunduz, DOE-FEMP Don Paine, Fluor Daniel Fernald
	Operable Unit 5 Aquifer Restoration/Wastewater Project Soils Characterization and Excavation Project	Rob Janke, DOE-FEMP Dennis Carr, Fluor Daniel Fernald
	Waste Management	John Sattler, DOE-FEMP Jerry Lester, Fluor Daniel Fernald
	Project Management	Sue Peterman, DOE-FEMP Bob Heck, Fluor Daniel Fernald
7:30 p.m.	**Question & Answer Session**	
8: p.m.	**Topic of the Month: On-Site Disposal Facility**	Mike Hickey, Fluor Daniel Fernald
8:30 p.m.	**Public Involvement Strategy**	Gary Stegner

- Follow-up Actions
- October Topic of the Month
- Location of Future Cleanup Progress Briefings
- Feedback on Cleanup Progress Briefings

8:45 p.m. **Adjourn**

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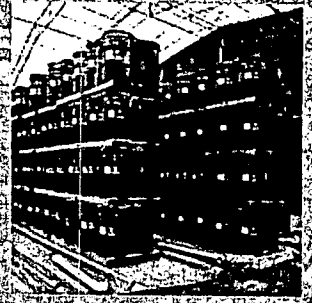
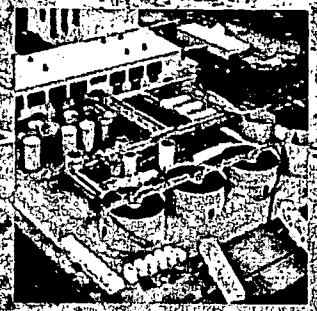
FERNALD CLEANUP PROGRESS BRIEFING
SEPTEMBER 1997

OU4 - Silos Project

OU1 - Waste Pits Remedial Action Project



Waste Management Project



OU5 - Aquifer Restoration/ Wastewater Project

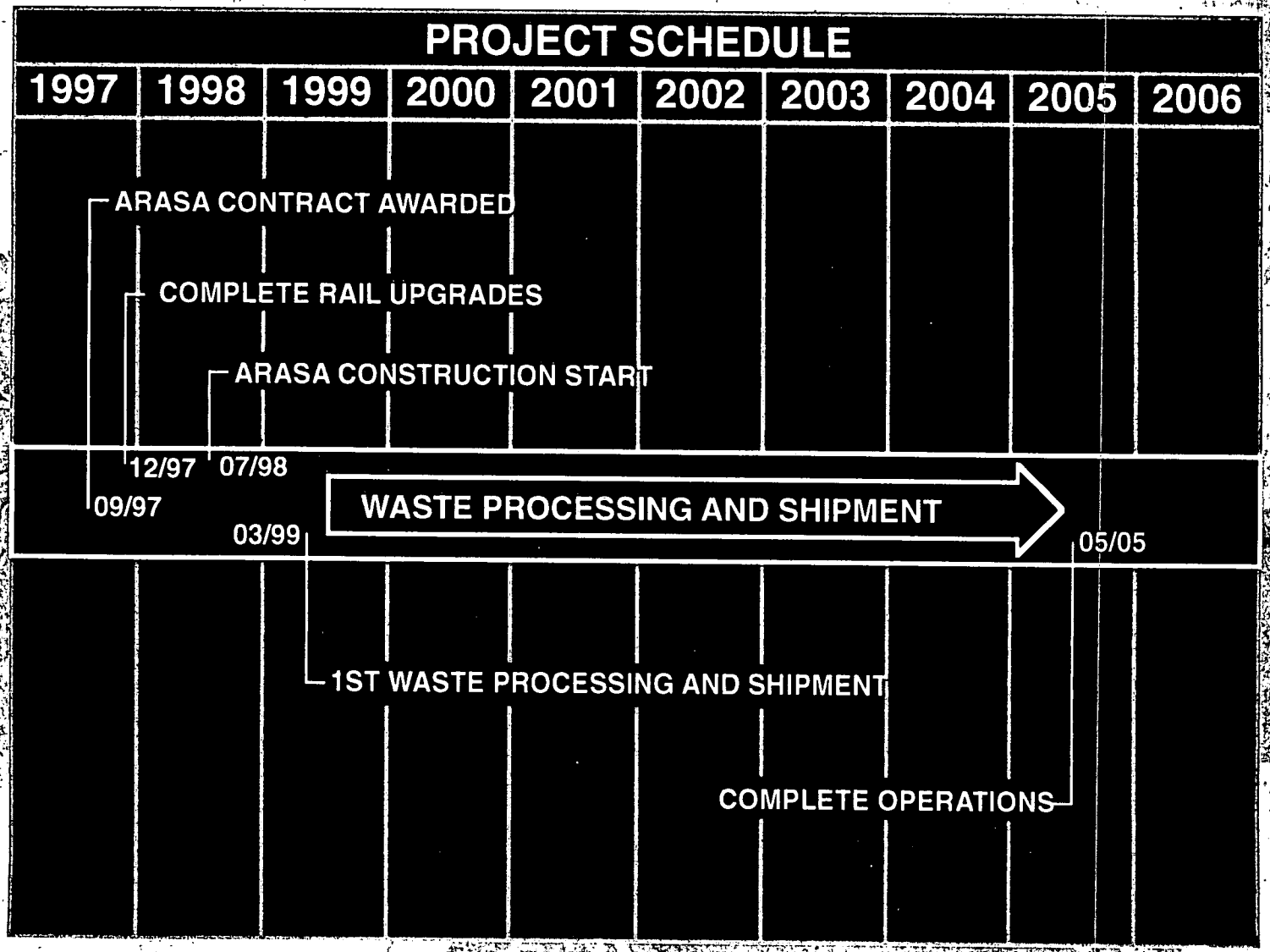
OU3 - Facilities Closure & Demolition Project

OU2 - On-Site Disposal Facility Project

Project Management

OU5 - Soils Characterization & Excavation Project

OU1 - WASTE PITS REMEDIAL ACTION PROJECT



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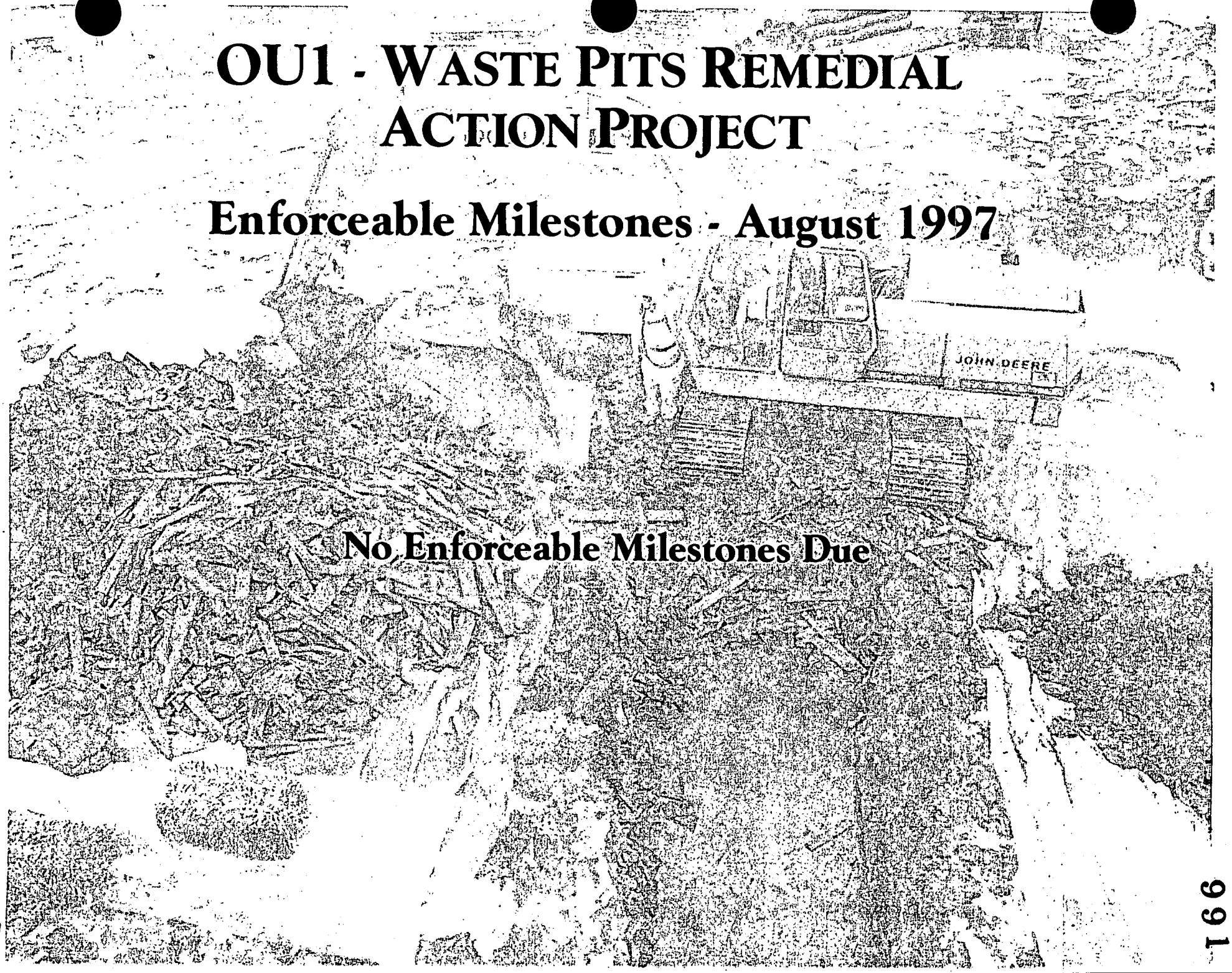
OU1 - Waste Pits Remedial Action Project

Major Work Activities - August 1997

- On Site Improvements
  - North Railyard installation
  - Paddy's Run Trestle repairs
  - Site Improvements Project
- Off Site Actions
  - Okeana Trestle
  - Letter of Acceptance - Shandon Yard Access
- Planning & Contracts
  - Prelude to ARASA Award
  - Railcar Procurement
  - PCDF Waste Disposal Plan
  - Develop Transportation Plan

OU1 - Waste Pits Remedial Action Project

Enforceable Milestones - August 1997



No Enforceable Milestones Due

OU1 - WASTE PITS REMEDIAL ACTION PROJECT

90-Day Look Ahead - Work Activities

- Award ARASA subcontract - 9/97; begin implementing pre-mobilzation deliverables - 10/97
- Complete Paddy's Run bridge upgrade - 9/97
- Complete Site Improvement Project - 9/97
- Award contract for procurement of railcars - 10/97
- Complete off-site trestle construction activities - 11/97
- Initiate installation of rail maintenance building - 11/97

OU1 - Waste Pits Remedial Action Project

90-Day Look Ahead - Milestones

- Transmit Submittal Register for ARASA Subcontractor RD/RA Deliverables

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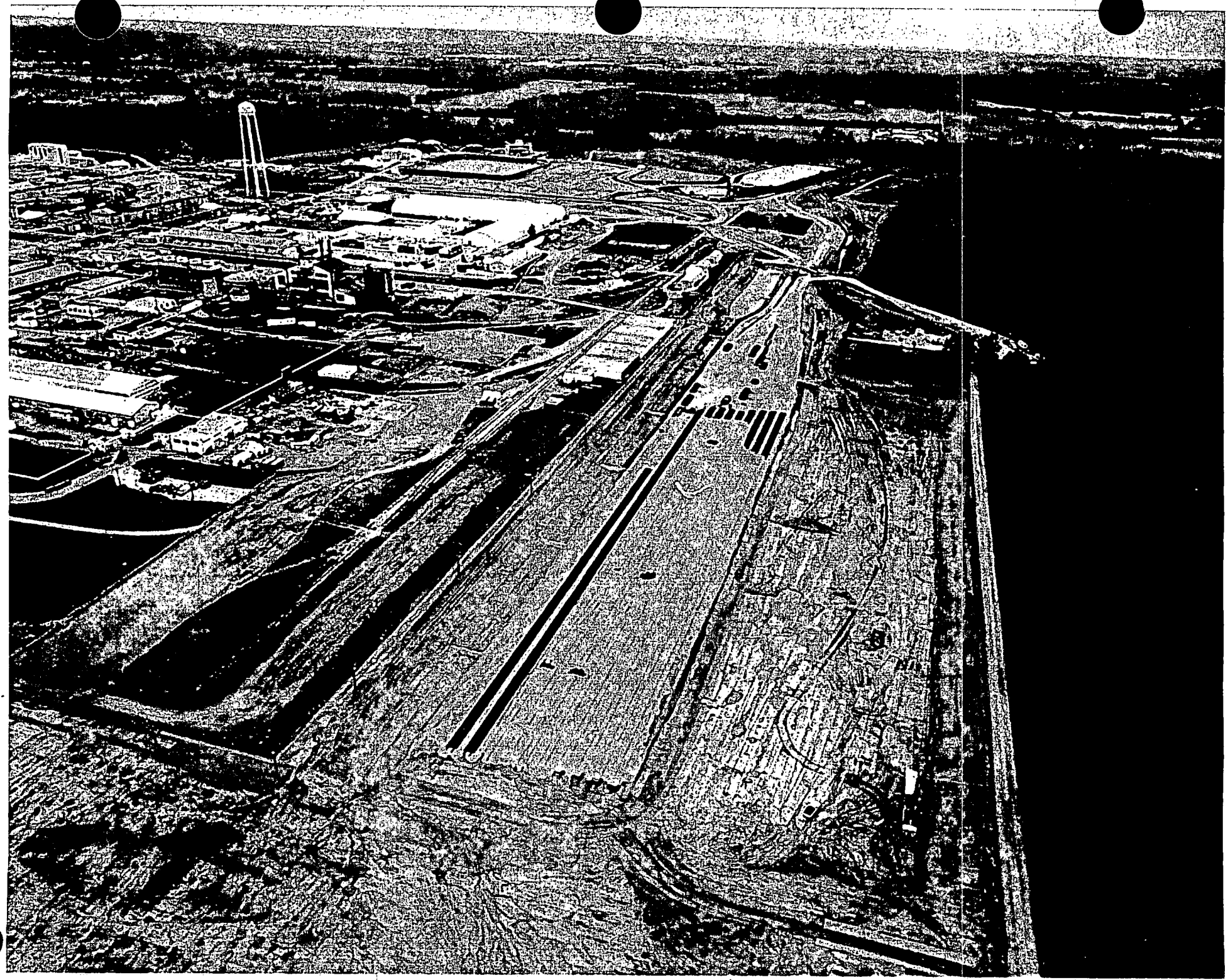

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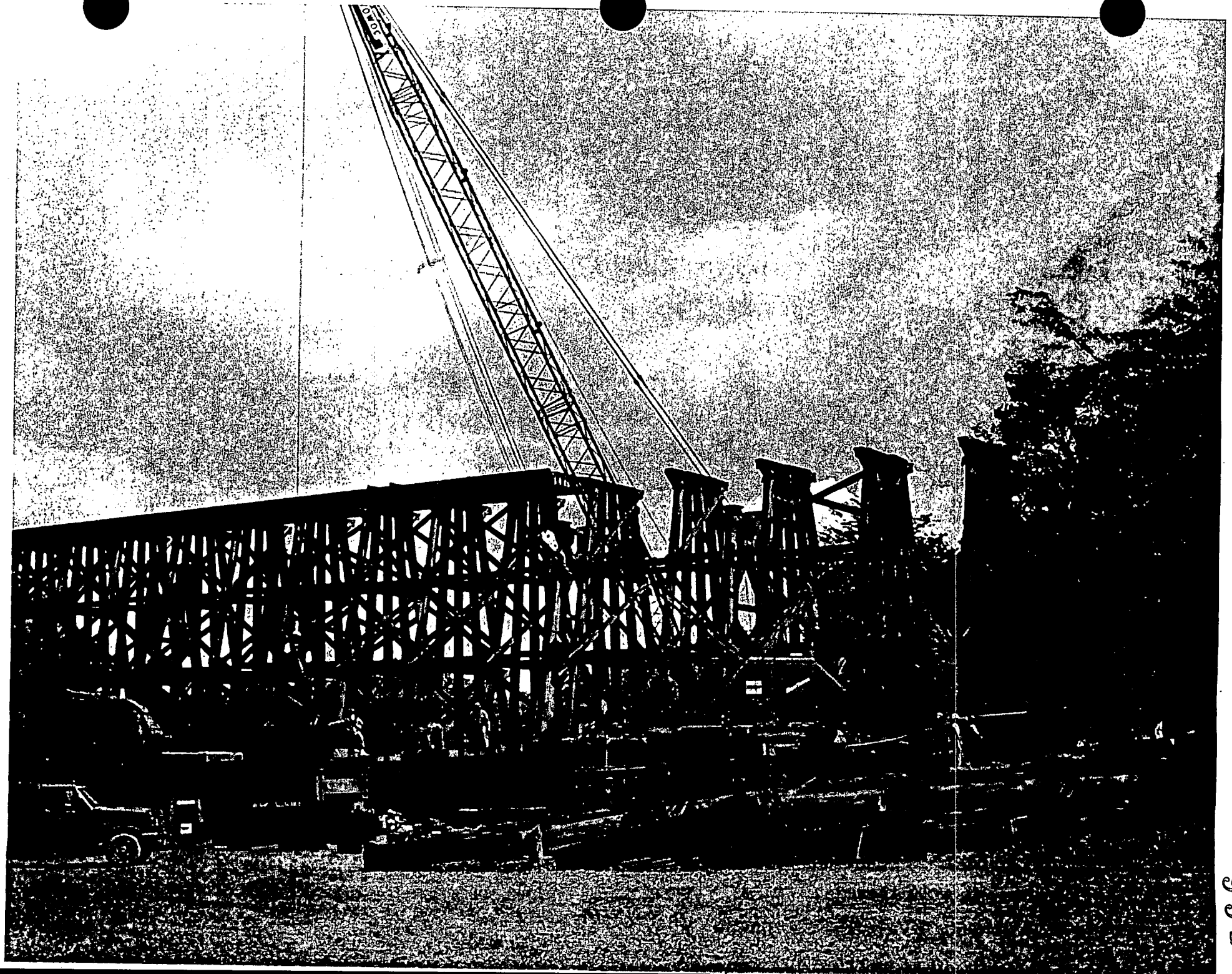
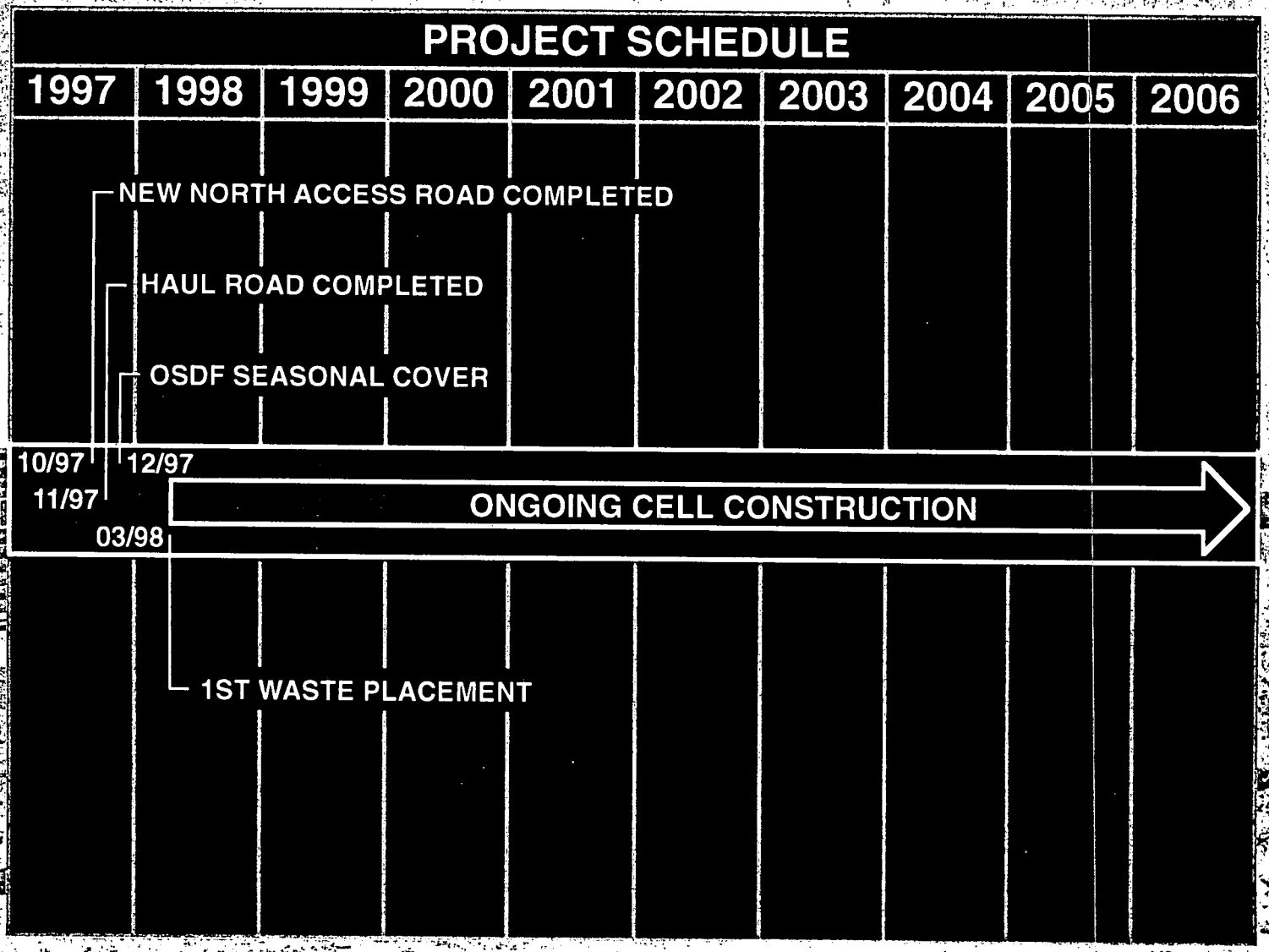


OU2 - ON SITE DISPOSAL FACILITY



OU2 - ON SITE DISPOSAL FACILITY

Major Work Activities - August 1997

- OSDF -
  - Completed Cell 1 excavation
  - Initiated clay liner installation
  - Initiated Cell 2 excavation
- Leachate Conveyance System -
  - Continued installation of leachate lines
  - Continued hydrostatic pressure testing of leachate lines
- Roads -
  - Continued subgrade work for Haul Road and North Entrance Road

OU2 - ON SITE DISPOSAL FACILITY

Enforceable Milestones - August 1997

- Submitted OSDF Groundwater/Leak Detection & Leachate Monitoring Plan 8/7/97
- Submitted Rev. H Impacted Materials Placement Plan/Specialized Placement Plan No. 1 (oversized materials) 8/20/97

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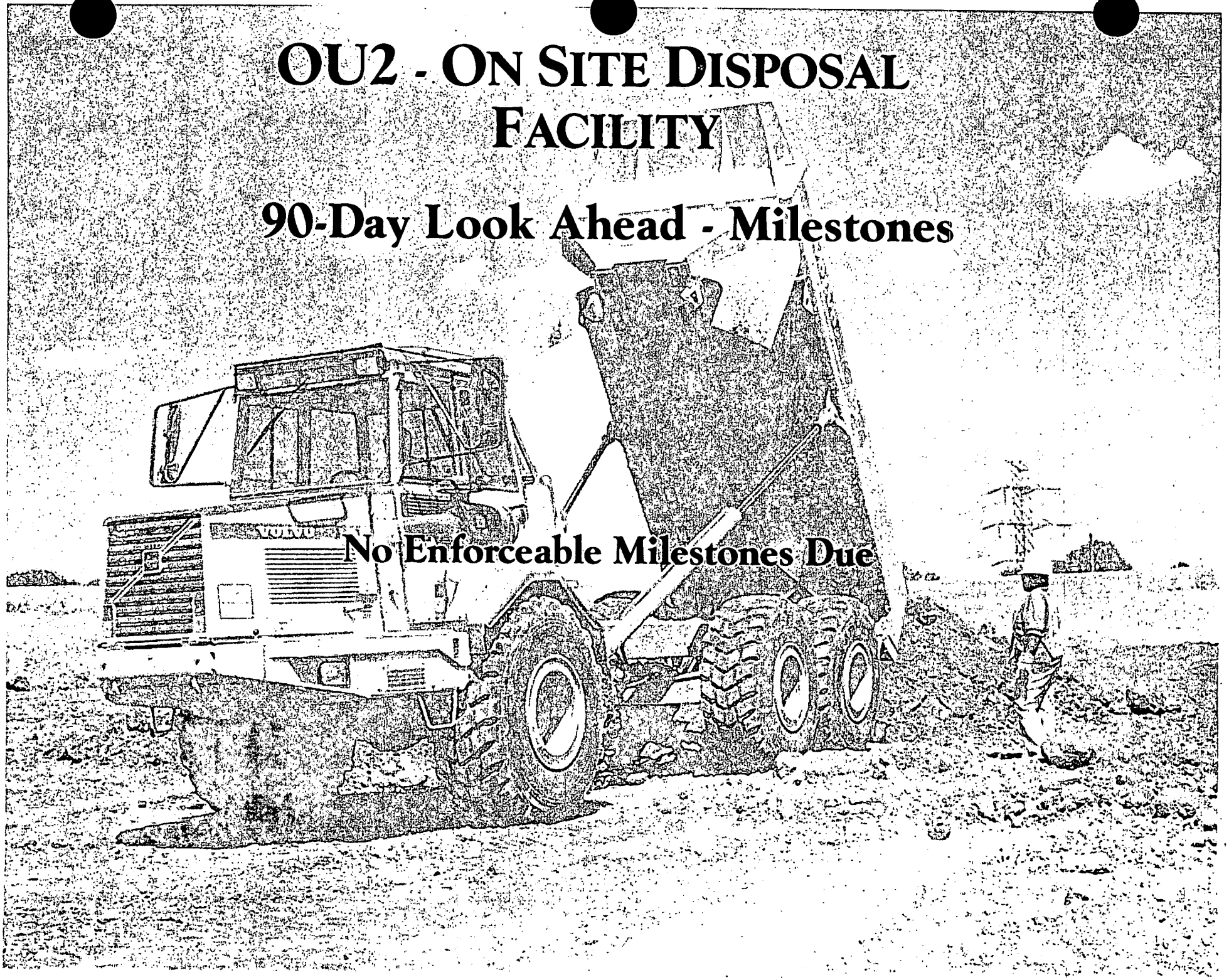
OU2 - ON SITE DISPOSAL FACILITY

90-Day Look Ahead - Work Activities

- OSDF -
  - Complete clay liner 9/97
  - Initiate installation of synthetic liners - 9/97
  - Continue synthetic liners - 10/97
  - Initiate installation of leak detection system - 10/97
  - Initiate installation of leachate collection system - 11/97
  - Initiate impacted material placement - 11/97

OU2 - ON SITE DISPOSAL FACILITY

90-Day Look Ahead - Milestones

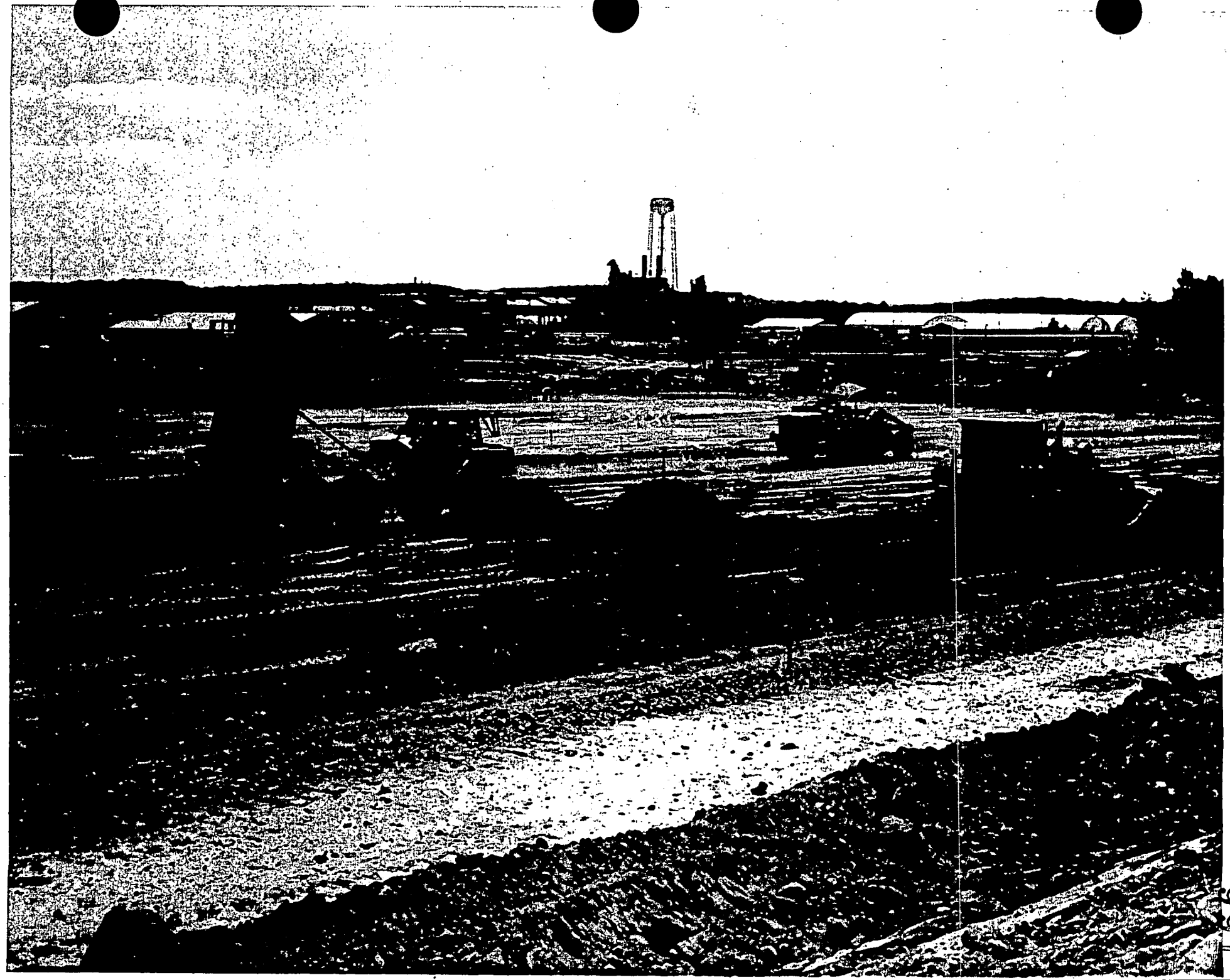


No Enforceable Milestones Due

OU2 - ON SITE DISPOSAL FACILITY

90-Day Look Ahead - Work Activities (Continued)

- Leachate Conveyance System -
  - Continue installation of leachate line/manholes - 9/97
  - Perform systems operability testing - 10/97
  - Initiate leachate treatment - 11/97
- Roads -
  - Initiate paving of North Entrance Road - 9/97
  - Open North Entrance Road - 10/97
  - Complete Haul Road paving - 11/97



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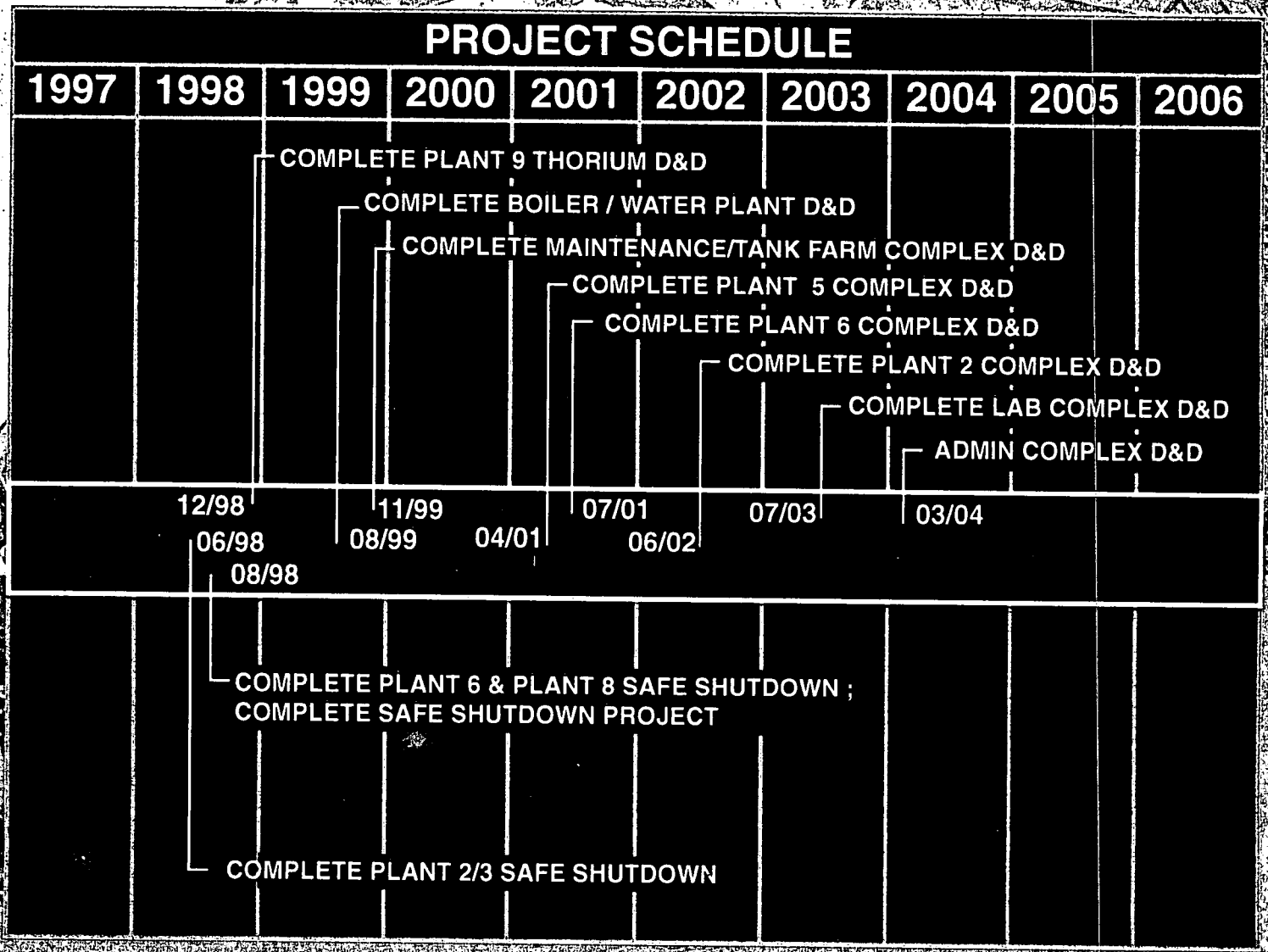
OU3 - FACILITIES CLOSURE & DEMOLITION PROJECT



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OU3 - FACILITIES CLOSURE & DEMOLITION PROJECT

SAFE SHUTDOWN

Major Work Activities - August 1997

- Completed holdup removal from:
  - Vacuum System in Building 69
  - Trane Incinerator in Building 39A
  - Drum Washer in Plant 8

OU3 - Facilities Closure & Demolition Project

Safe Shutdown

Enforceable Milestones - August 1997

No Enforceable Milestones Due

OU3 - FACILITIES CLOSURE & DEMOLITION PROJECT

SAFE SHUTDOWN

90-Day Look Ahead - Work Activities

- Continue holdup material removal in Plant 2/3, Plant 6 and Plant 8
- Continue energy isolation procedures in:
  - Plants 2/3, 6 & 8
  - Buildings 64, 65, 78 & 81
  - Process Trailers
- Remove MAWS equipment from Plant 9
- Commence asbestos removal in Plant 2/3
- Excavate underground utility lines for Plant 6 & 8, and Buildings 64, 65 & 69

OU3 - Facilities Closure & Demolition Project

Safe Shutdown

90-Day Look Ahead - Milestones

No Enforceable Milestones Due

OU3 - Facilities Closure & Demolition Project

Decontamination & Dismantlement

Major Work Activities - August 1997

- Plant 4 -
  - USEPA approved Project Completion Report 8/12/97
  - Final version submitted to DOE-FEMP 8/25/97
  - Made final payment to subcontractor & completed project closeout
- Ongoing Boiler Plant/Water Plant Activities
  - Continued asbestos abatement inside and outside the Boiler Plant
  - Sheared two trailers
  - Removed all transite and friable asbestos from Water Plant

OU3 - FACILITIES CLOSURE & DEMOLITION PROJECT

DECONTAMINATION & DISMANTLEMENT

Enforceable Milestones - August 1997

- Awarded Thorium/Plant 9 Complex Decontamination and Dismantlement contract to NSC Energy Services, Inc., 8/22/97 (actual milestone date 10/15/97)
- Submitted Plant 1 D&D Completion Report to Agencies 8/25/97 (actual milestone date 8/26/97, which is 41 days earlier than original schedule)

OU3 - FACILITIES CLOSURE & DEMOLITION PROJECT

DECONTAMINATION & DISMANTLEMENT

90-Day Look Ahead - Work Activities

- Ongoing Boiler Plant/Water Plant activites -
  - Asbestos abatement and equipment removal from boiler
  - Demolition of electrostatic precipitators and fly ash silo
- Thorium/Plant 9 Complex -
  - Prepare subcontractor work plans
  - Mobilize subcontractor and initiate field work
- Maintenance/Tank Farm Complex -
  - Continue development of Implementation Plan

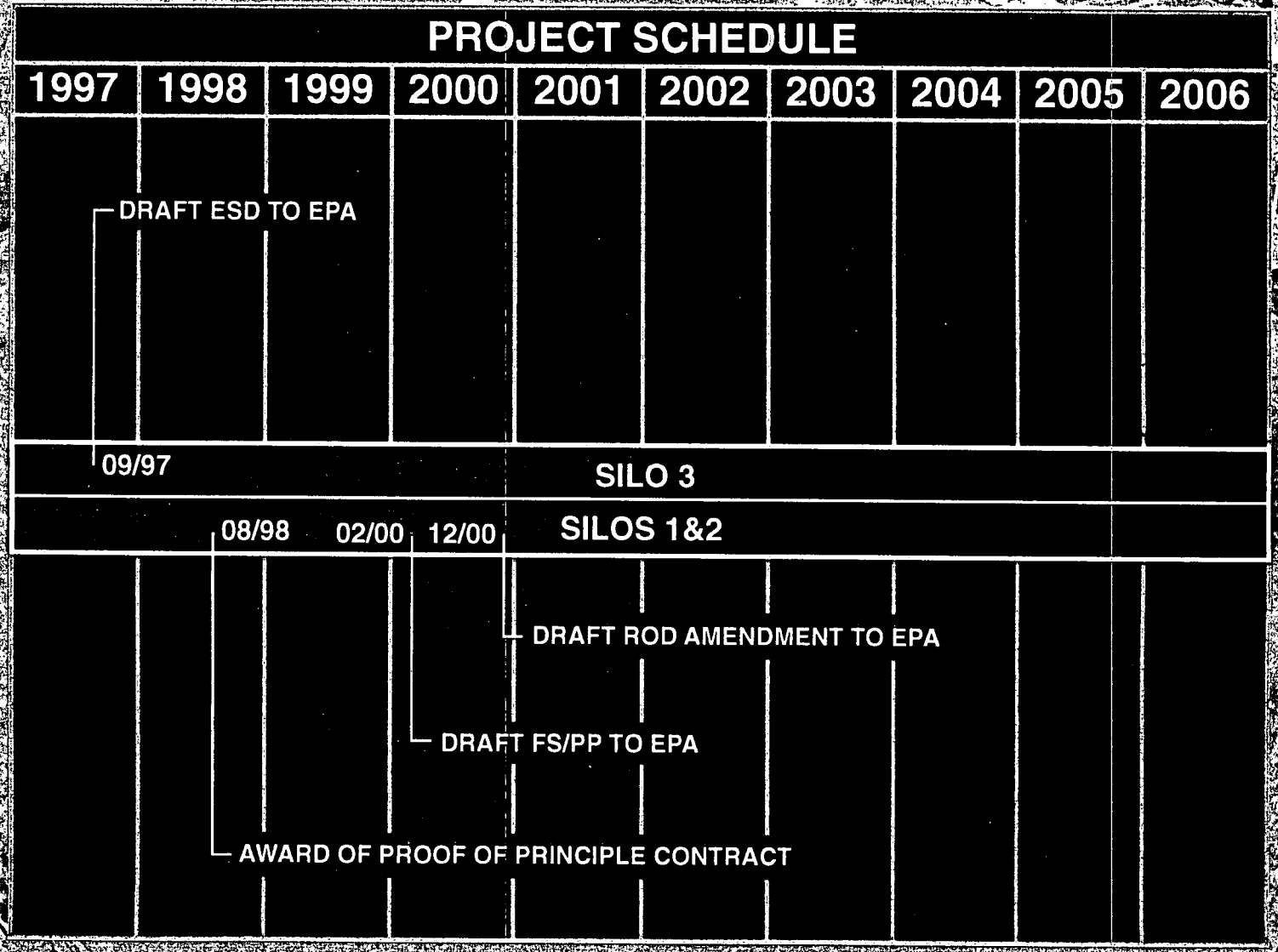
OU3 - Facilities Closure & Demolition Project

Decontamination & Dismantlement

90-Day Look Ahead - Milestones

- Issue Notice to Proceed to Thorium Plant 9 D&D subcontractor by mid-September (actual milestone date 11/15/97)

OU4 - SILOS PROJECT



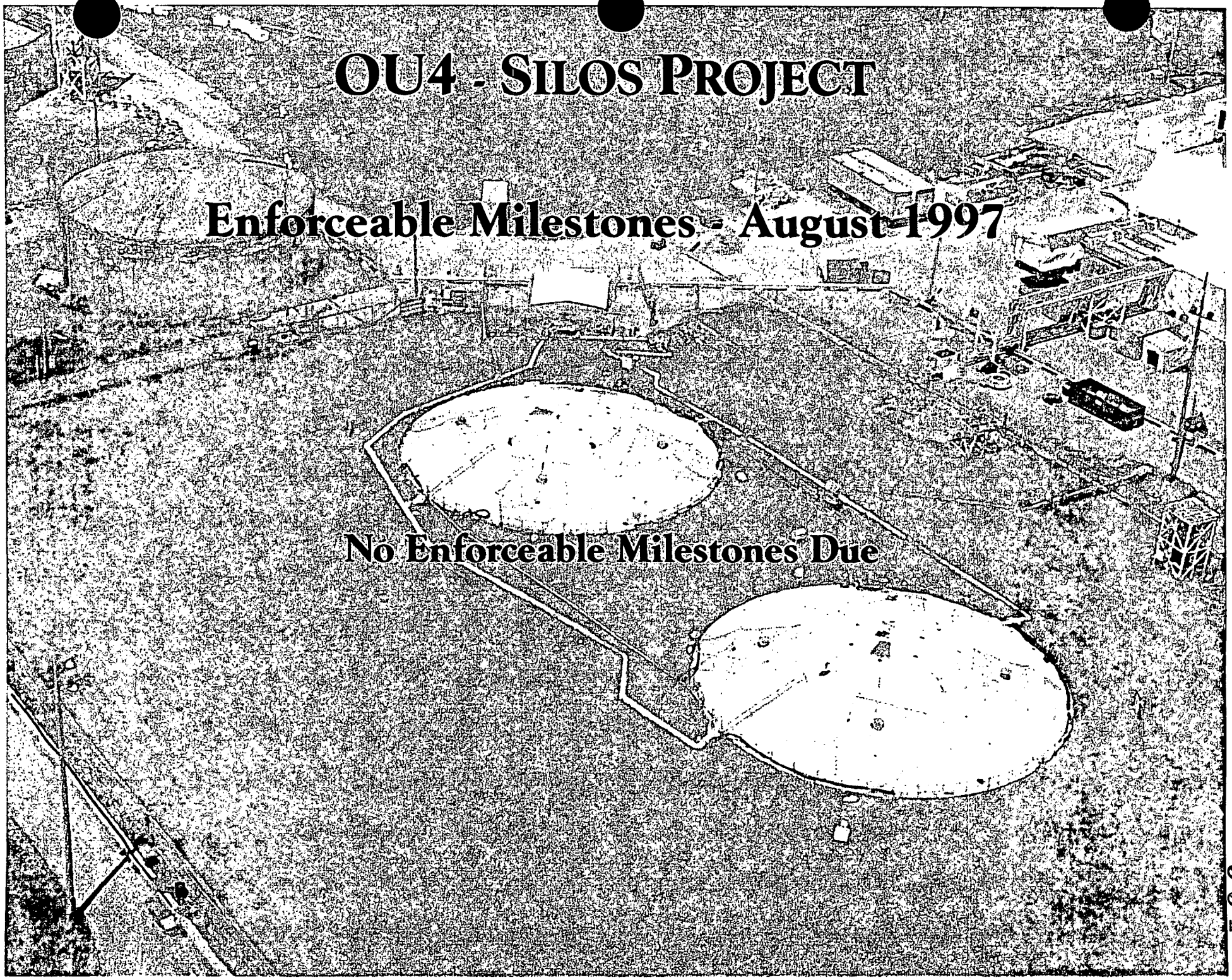
OU4 - SILOS PROJECT

Major Work Activities - August 1997

- Revised baseline and silos remediation activities schedule per OU4 Dispute Settlement
- Submitted Draft Request for Proposal (RFP) for Silo 3 to DOE-HQ for review
- Prepared Silo 3 Privatization Action Plan for submittal to DOE-HQ
- Completed design for Silo 3 Small-Scale Waste Retrieval Project
- Prepared Silo 3 Draft ESD

OU4 - SILOS PROJECT

Enforceable Milestones - August 1997



No Enforceable Milestones Due

OU4 - SILOS PROJECT

90-Day Look Ahead - Work Activities

- Prepare Commerce Business Daily (CBD) announcement for Silos 1 and 2 Multi-Tech Proof-of-Principle Testing - 9/97
- Begin preparing RFP for Silos 1 and 2 Multi-Tech Proof-of-Principle Testing - 10/97
- Release Draft RFP for Silo 3 to Agencies, stakeholders, and potential subcontractors - 9/97, contingent upon completion of DOE-HQ review
- Respond to Agency comments on Draft Silo 3 Explanation of Significant Differences (ESD) and initiate preparation of Draft Final version - 10/97

OU4 - SILOS PROJECT

90-Day Look Ahead - Work Activities (Continued)

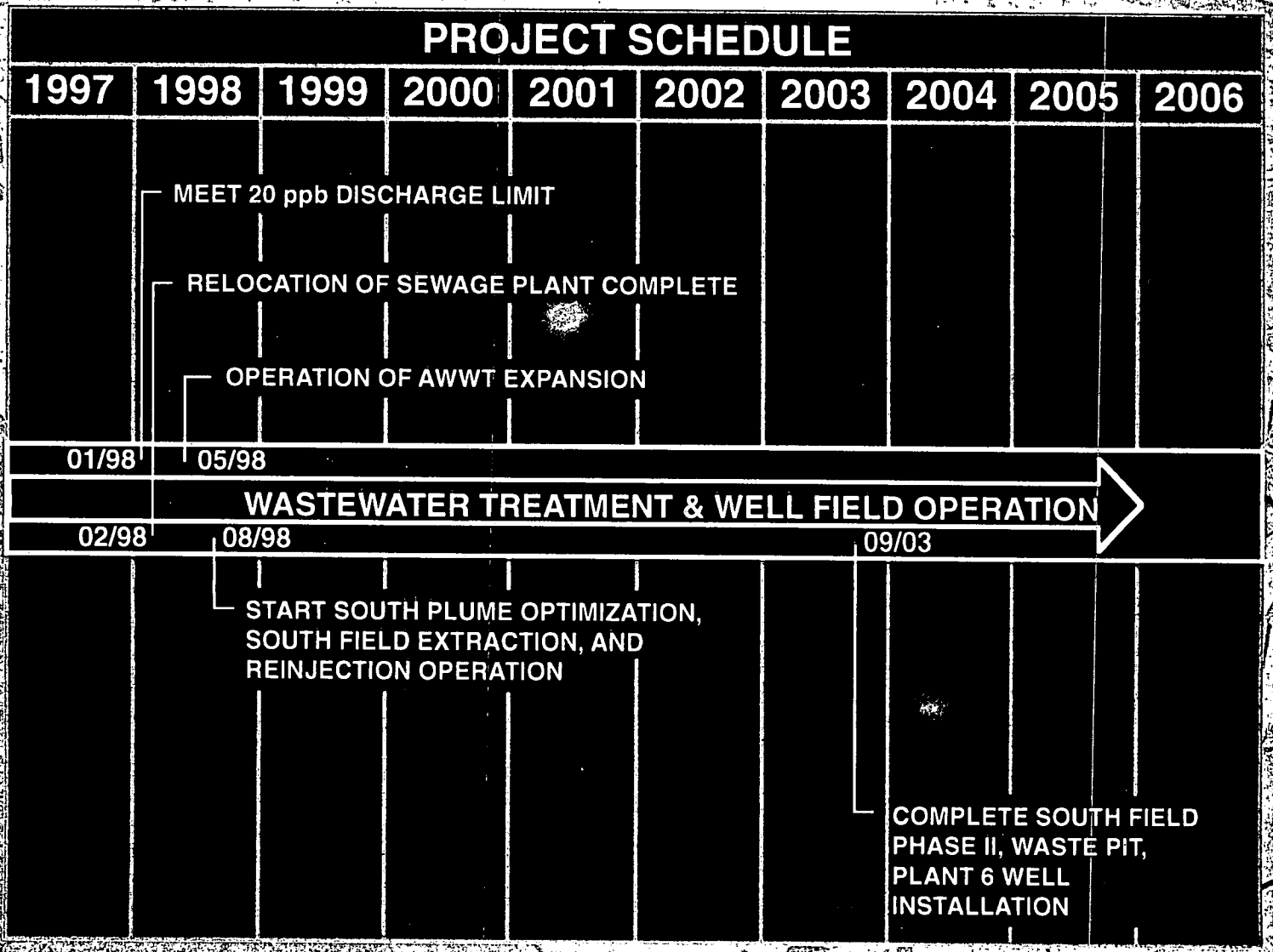
- Submit Draft Final Silo 3 ESD - 11/97
- Complete preparations for Silo 3 Small-Scale Waste Retrieval - 11/97
- Conduct simulated core sampling (silo integrity testing) at Silo 4 - 11/97
- Initiate design for Silos 1, 2 and 3 core sampling in support of silo integrity testing - 9/97

OU4 - SILOS PROJECT

90-Day Look Ahead - Milestones

- Submit Silo 3 ESD to Agencies - 9/15/97
- Submit following four deliverables to Agencies under the auspices of the OU4 Dispute Settlement Agreement:
  1) Work Plan for Structural Steel Debris Recycling Project - 9/15/97
  2) Work Plan for Railroad Track Recycling Project - 9/15/97
  3) Work Plan for Establishment of Conservation Area -11/15/97
  4) Work Plan for Research Grants for Ecological Restoration - 11/15/97

OU5 - AQUIFER RESTORATION/ WASTEWATER PROJECT



OU5 - AQUIFER RESTORATON/ WASTEWATER PROJECT

Major Work Activities - August 1997

- Awarded contract to DeBra for combined South Field Extraction System, Injection Demonstration, & South Plume Optimization Projects
- Continued construction on 1800 gallon per minute expansion to AWWT; construction is 35% complete
- Continued construction on (AWWT) Ion Exchange Regeneration System; construction is 90% complete

OU5 - AQUIFER RESTORATION/ WASTEWATER PROJECT

Enforceable Milestones - August 1997

Transmittal Final Integrated Environmental Monitoring Plan to Agencies 8/7/97; Final OSDF Groundwater Detection & Leachate Monitoring Plan was included as part of transmittal

OU5 - AQUIFER RESTORATION/ WASTEWATER PROJECT

90-Day Look Ahead - Work Activities

- Begin construction on combined South Field Extraction System, Injection Demonstration, & South Plume Optimization Projects - 9/97
- Award contract for Sewage Treatment Plant Relocation - 9/97
- Complete construction of AWWT Ion Exchange Regeneration Project - 11/97

OU5 - AQUIFER RESTORATION/ WASTEWATER PROJECT

90-Day Look Ahead - Milestones

- Submit Re-Injection Demonstration Test Plan to Agencies by 9/1/97
- Submit Design, Monitoring, and Evaluation Program Plan (Semi-Annual Report) to Agencies by 10/1/97
- Submit NPDES Permit Renewal Application to OEPA by 10/2/97

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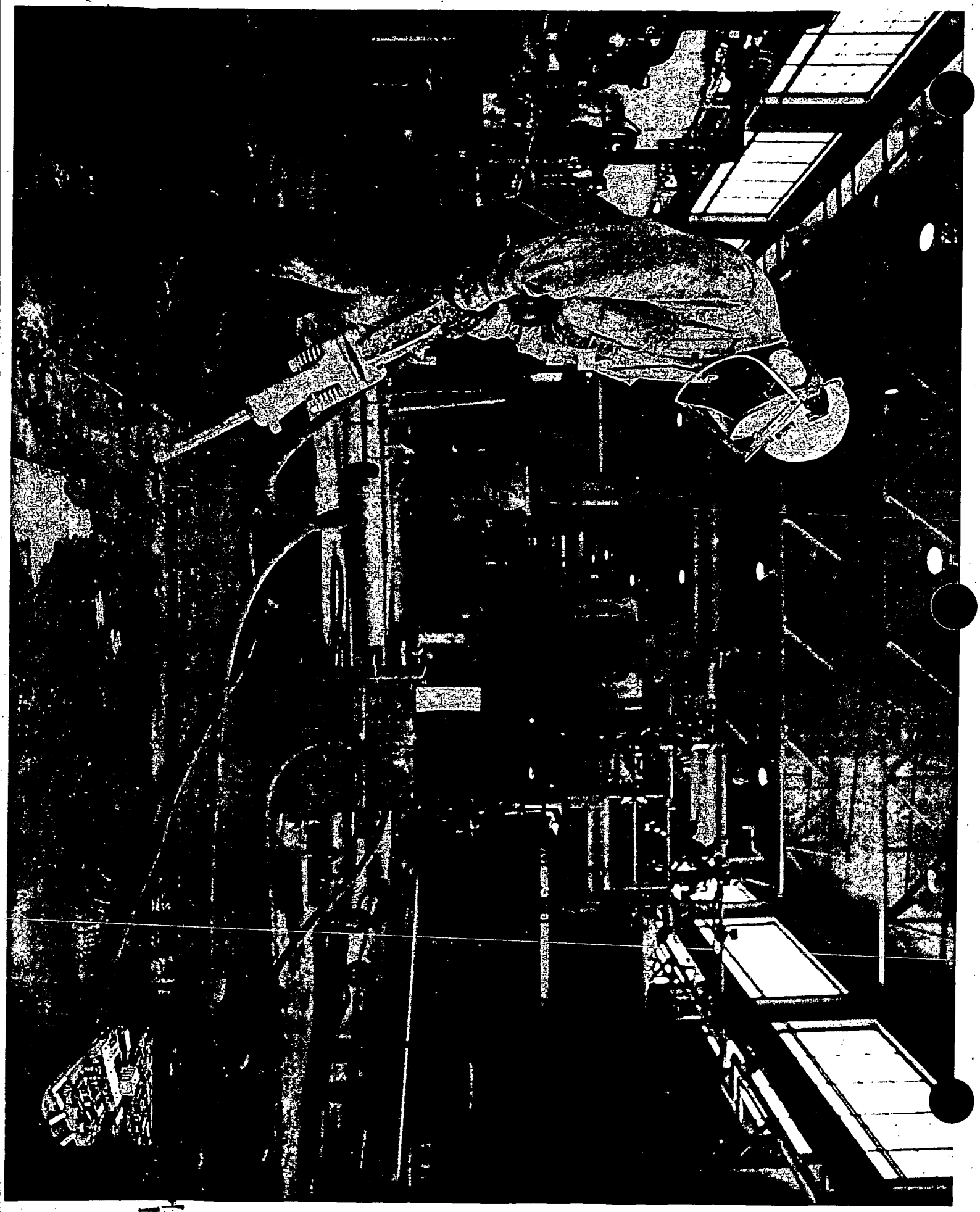

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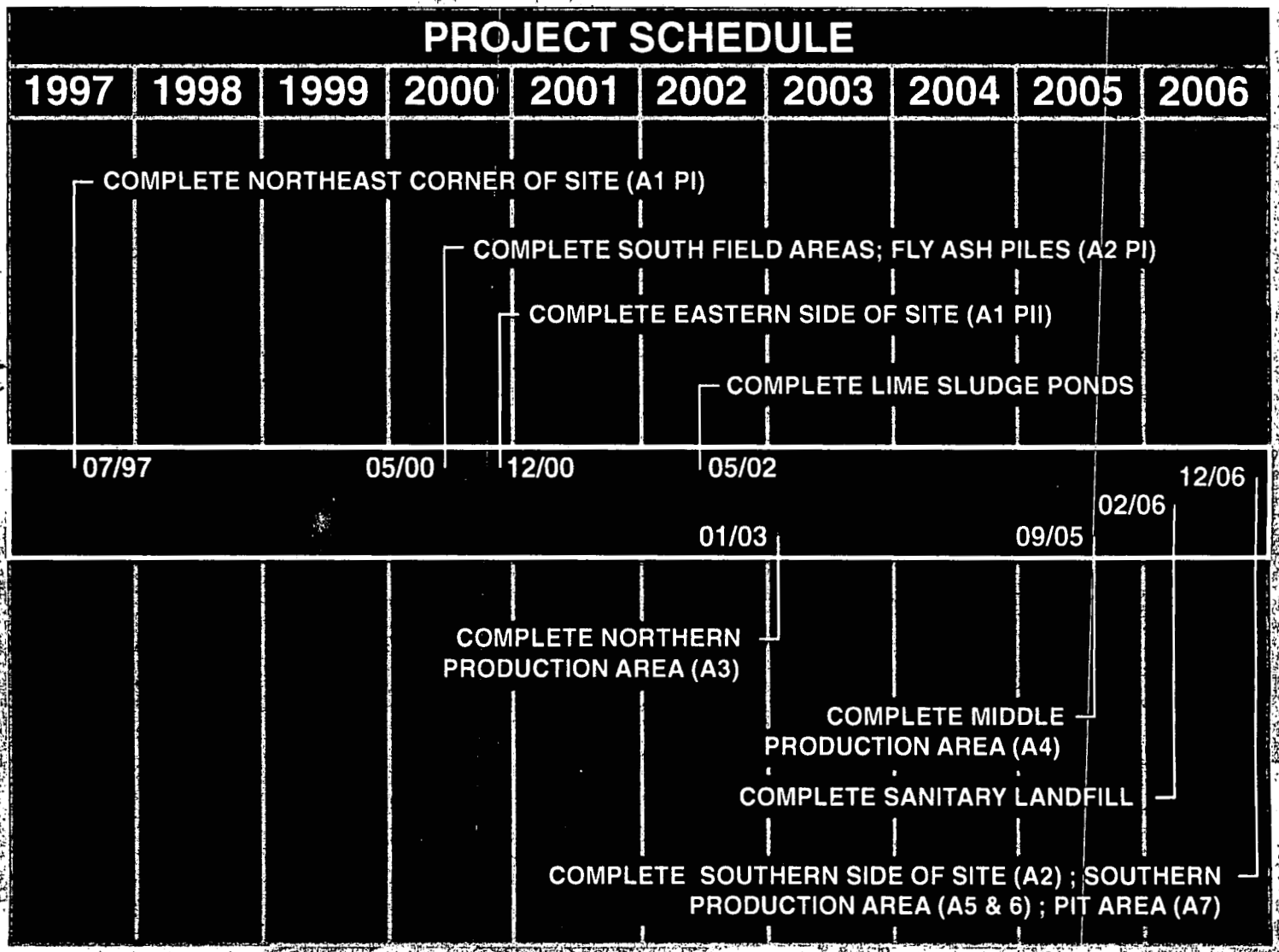
OU 5 - Soil Characterization & Excavation Project



OU 5 - SOIL CHARACTERIZATION & EXCAVATION PROJECT

Major Work Activities - August 1997

- Awarded contract for Area 2 Phase I (OU 2 Southern Waste Units & OU 5 Soil) 8/6/97
- Met with USEPA 8/6/97, to resolve comments on Draft Area 2 Phase I Site Preparation Plan and Area 2 Phase I Certified-for-Construction Site Preparation Package Drawings
- Participated in conference call with Agencies on 8/13/97, to discuss Area 2 Phase I Site Preparation Project Specific Plan (PSP) for sampling to determine if there are any high concentrations of uranium within excavation limits for site preparation activities

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OU5 - Soil Characterization & Excavation Project

Enforceable Milestones - August 1997

No Enforceable Milestones Due

OU 5 - Soil Characterization & Excavation Project

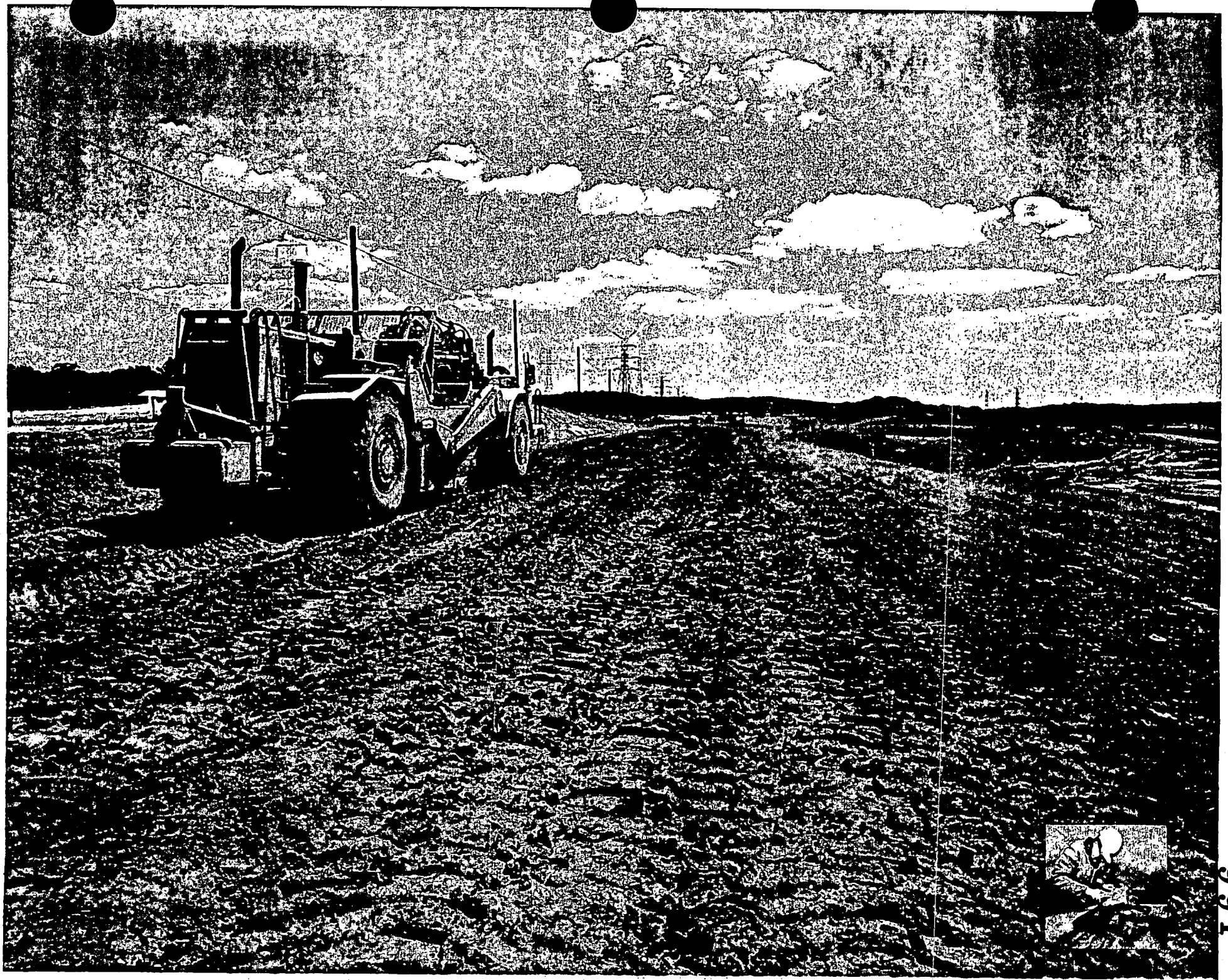
90-Day Look Ahead - Work Activities

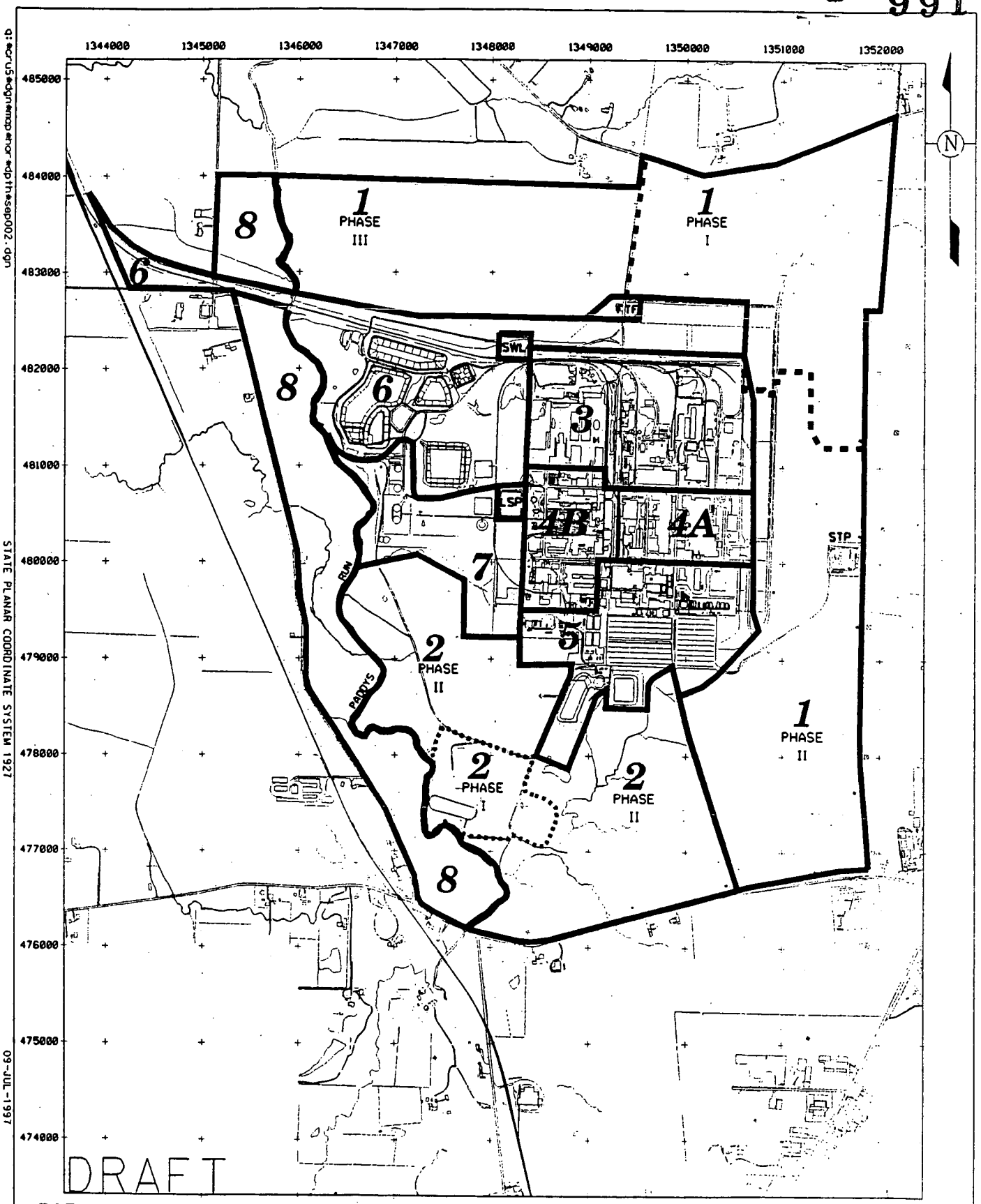
- Review Safe Work Plan when received from Area 2 Phase I Site Preparation contractor; begin site preparation construction activities - 9/97
- Perform/complete Waste Unit Design-based sampling activities - 9/97
- Perform/complete Area 1 Phase II Design-based sampling activities - 9/97 & 10/97
- Continue development of IRDP for Area 2 Phase I & Area 1 Phase II
- Continue development of Area 3 IRDP; initiate development of PSPs

OU 5 - SOIL CHARACTERIZATION & EXCAVATION PROJECT

90-Day Look Ahead - Milestones

- Submit Area 2 Phase I IRDP to Agencies by 10/20/97
- Submit Prefinal Area 1 Phase II IRDP to Agencies by 11/21/97





LEGEND:

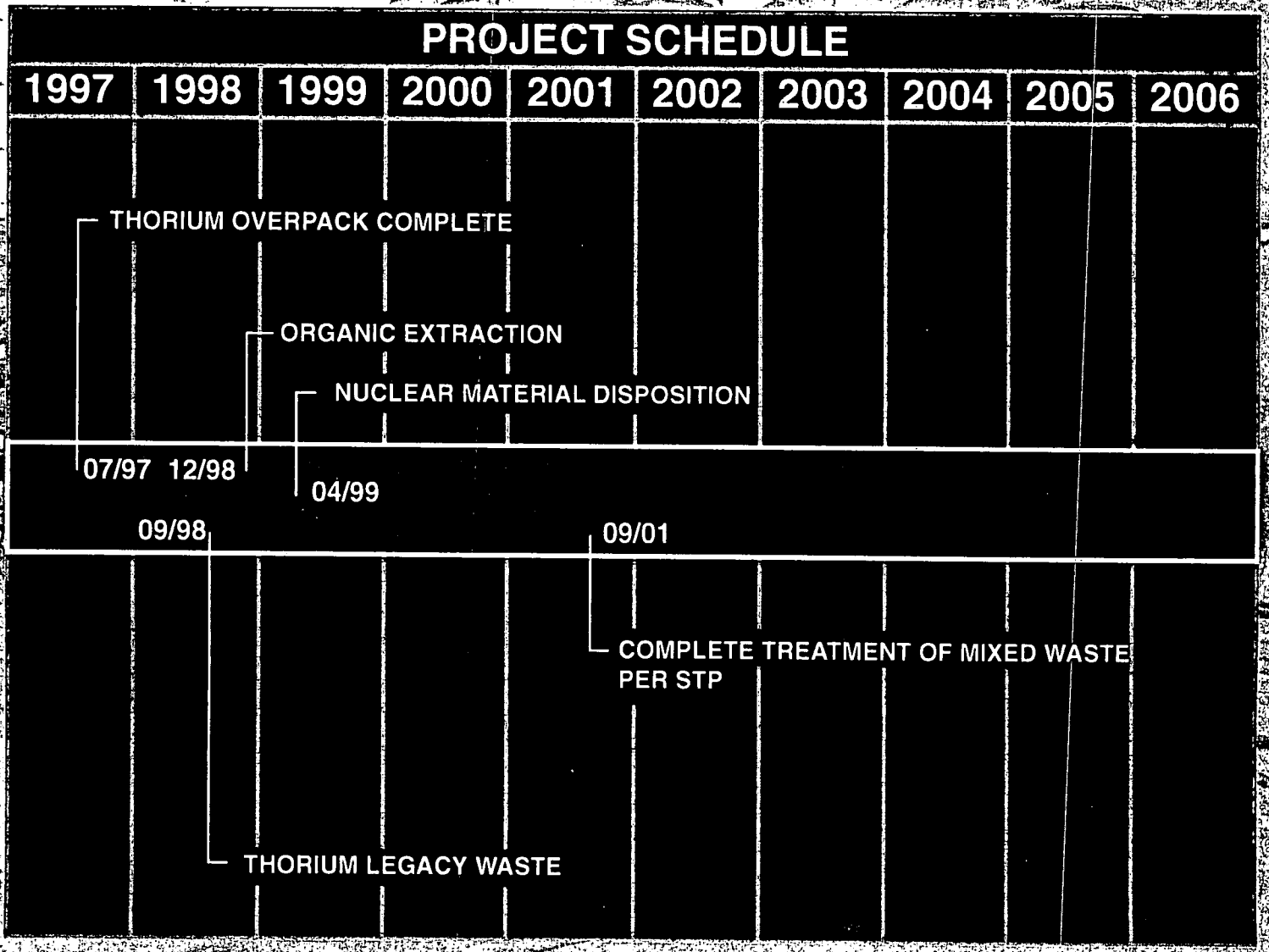
- FEMP BOUNDARY
- 1 REMEDIATION AREA
- PHASE BOUNDARIES
- REMEDIATION AREA BOUNDARIES

SCALE

1400 700 0 1400 FEET

FIGURE 1-3. GENERALIZED SITEWIDE REMEDIATION AREAS

WASTE MANAGEMENT PROJECT



WASTE MANAGEMENT PROJECT

Major Work Activities - August 1997
Low Level Waste Projects

- Shipped 116,169 ft^3 low level waste to Nevada Test Site (NTS) bringing FY 97 total to 472,721 ft^3 of total 612,000 ft^3 FY97 goal
- DOE-NV auditors visited FEMP site week of 8/18/97; closed Corrective Action Requests made during their June surveillance

WASTE MANAGEMENT PROJECT

Major Work Activities - August 1997
Mixed Waste Projects

- Organic Extraction Project (RCI/Terra Kleen) Conducted Standard Startup Review the week of 8/19/97.
- Thorium Legacy Waste Project - Awarded contract to OHM 8/7/97

WASTE MANAGEMENT PROJECT

Major Work Activities - August 1997
Nuclear Materials Disposition Projects

- Inventory as of August 1, 1997:
  - Depleted - 8,504,485 lbs.
  - Normal - 438,446 lbs.
  - Enriched - 6,773,520 lbs.
- Completed negotiations with BNFL for sale of 2.6 million pounds of enriched uranium
- Packaged 756 ingots of depleted uranium for disposition
- Received response on 8/15/97 to RFP for Commercial Storage of normal uranium and a selected portion of enriched inventory with no immediate disposition path

WASTE MANAGEMENT PROJECT

Major Work Activities - August 1997

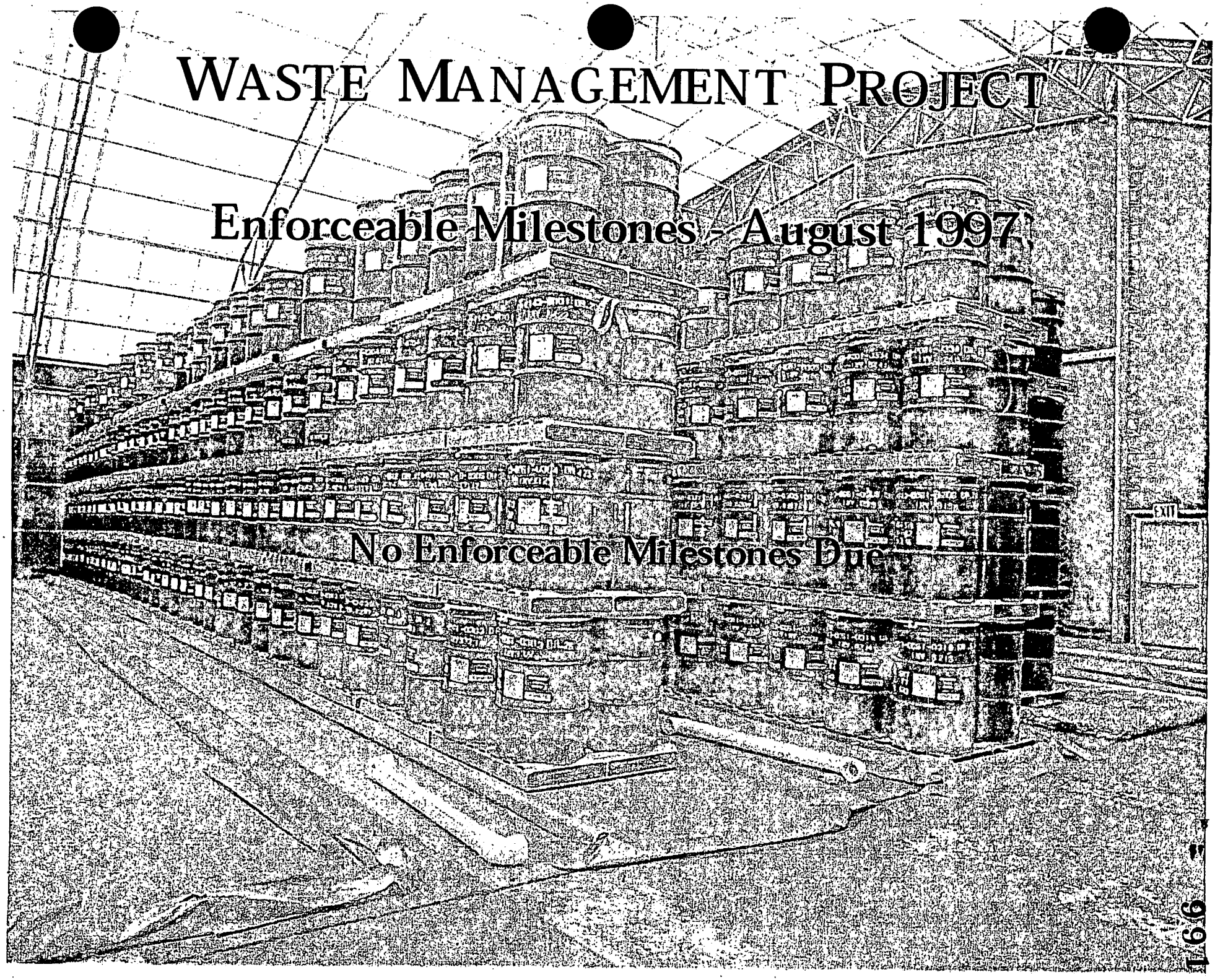
Other Waste Management

- Last of Thorium Overpack Containers in Thorium Overpacking Project shipped to NTS
- Issued Final Plan - Decision Methodology for Fernald Material Disposition Alternatives

WASTE MANAGEMENT PROJECT

Enforceable Milestones - August 1997

No Enforceable Milestones Due



WASTE MANAGEMENT PROJECT

90-Day Look Ahead - Work Activities

Low Level Waste Projects

- Ship 128,000 ft^3 low level waste to NTS in September
- DOE NV auditors return 10/13/97 for Annual Recertification Audit

WASTE MANAGEMENT PROJECT

90-Day Look Ahead - Work Activities

Mixed Waste Projects

- Organic Extraction Project - Begin operations 9/3/97. Treat approximately 6.0 m^3 mixed waste during 10/97
- Thorium Legacy Waste Project - Begin shipment of thorium low level waste to NTS during 11/97; anticipated to be 4 shipments per week
- Mixed Waste Shipping - preparing 308 drums for disposal at Envirocare. Waste Profile being reviewed by Envirocare
- Liquid Mixed Waste to TSCA Incinerator - ship Batch #7 in 11/97 and Batch #8 in early '98
- Complete Neutralization/Precipitation/Deactivation/Stabilization (NPDS) Project in 10/97

WASTE MANAGEMENT PROJECT

90-Day Look Ahead - Work Activities
Nuclear Materials Disposition Projects

- Ship 32 drums of depleted UO_3 to Carolina Metals Inc. in support of Ducrete Technology Deployment Initiative 9/29/97
- Award Contract to BNFL for the sale of 2.6 million pounds of enriched uranium
- Award contract to off site laboratory for analytical work for BNFL; initiate packaging of materials for BNFL
- Issue RFP for sale of remaining enriched inventory in

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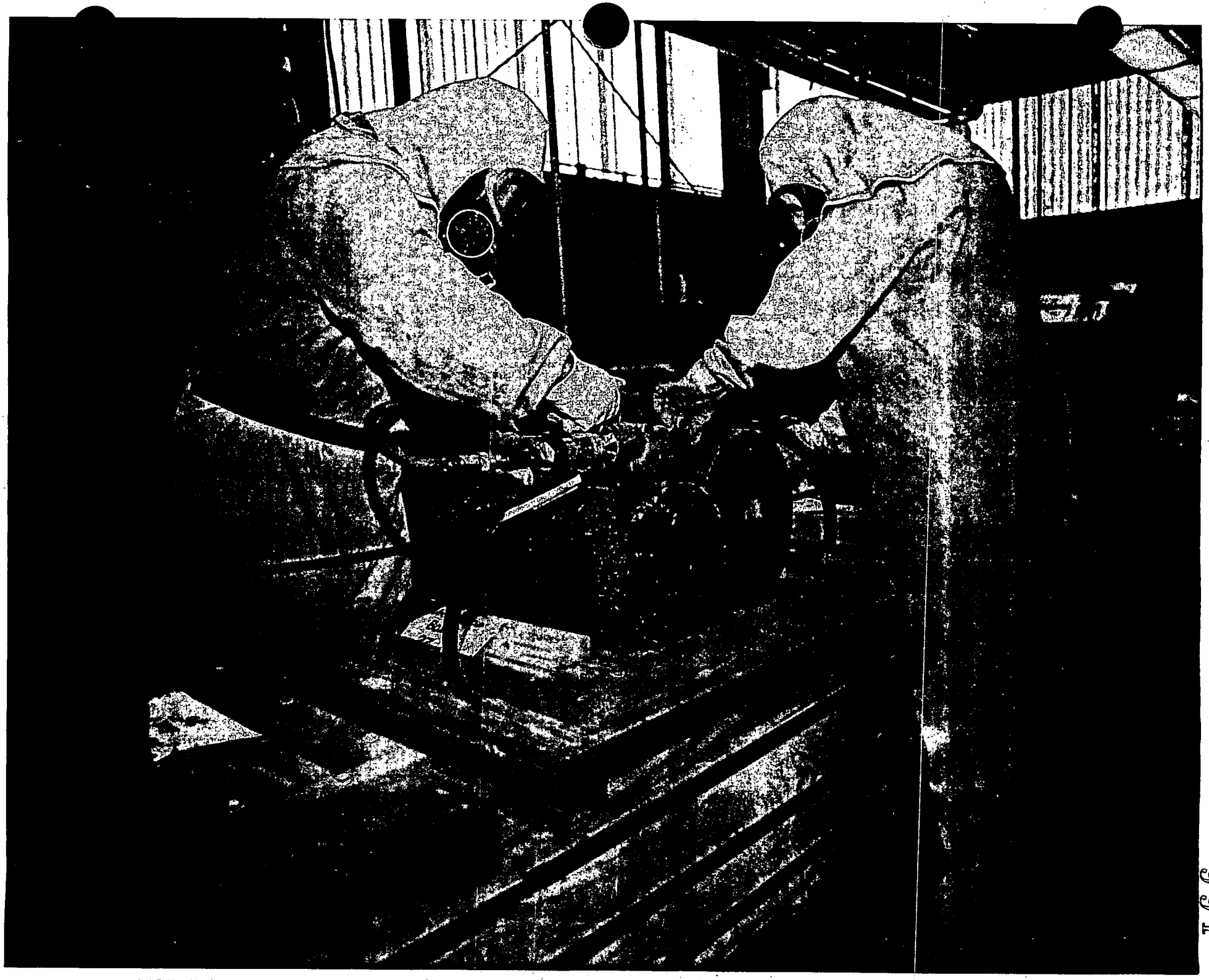
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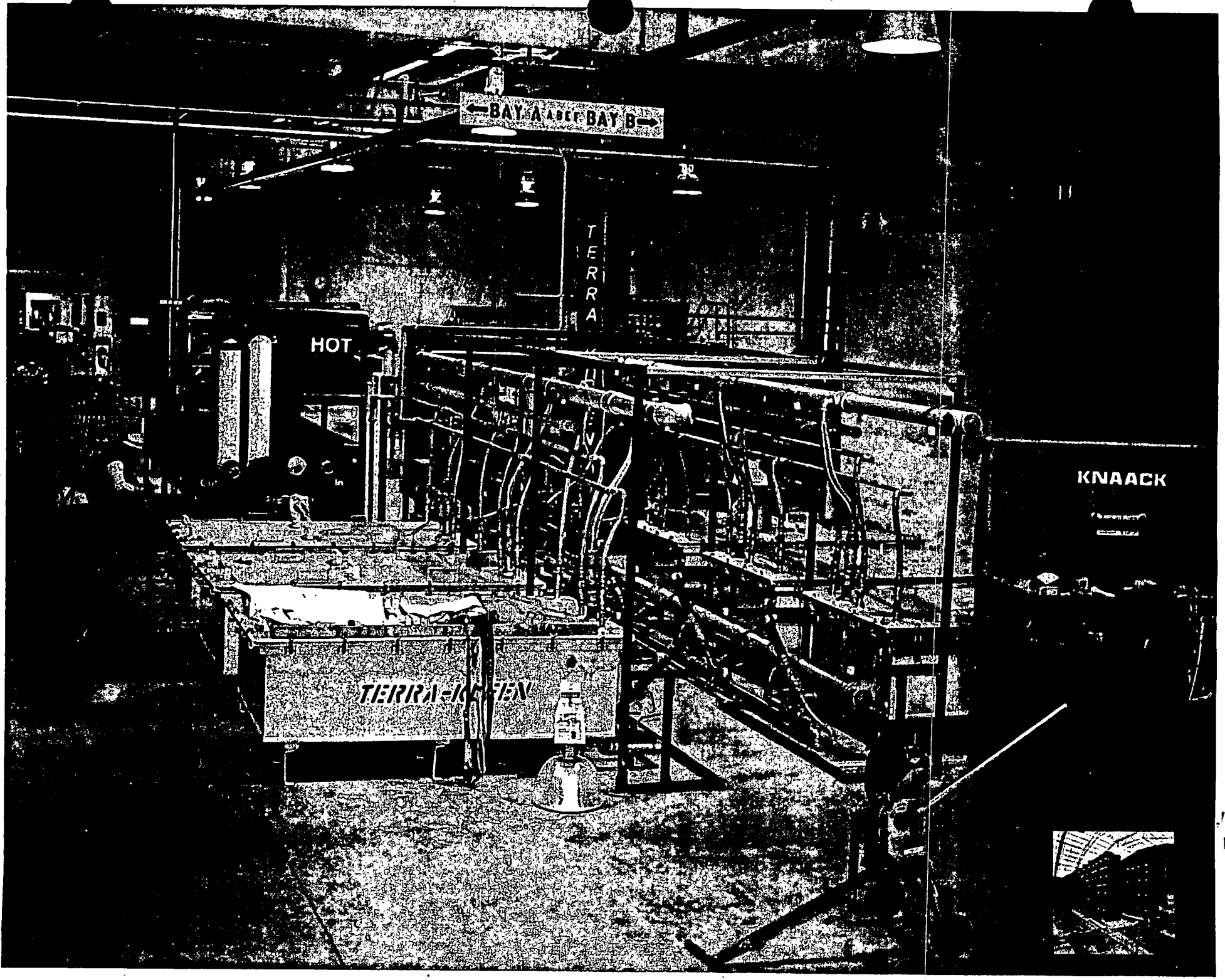
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PROJECT MANAGEMENT

National Plan Review

- Comments due September 9, 1997
- Comment Resolution within 60 days

PROJECT MANAGEMENT

Ohio Plan Review

- FY 99 Budget comments received
- Responsiveness Summary in Preparation; due September 30, 1997

Next revision of each Plan to be issued in December 1997