

# **PROPOSED PLAN FOR AN AMENDMENT TO THE OU1 RECORD OF DECISION**

**Public Hearing  
September 30, 2003**

**Introduction**

**Gary Stegner**

**Opening Remarks**

**Dave Lojek**

**Proposed Changes**

**Mark Cherry**

**Public Comments**



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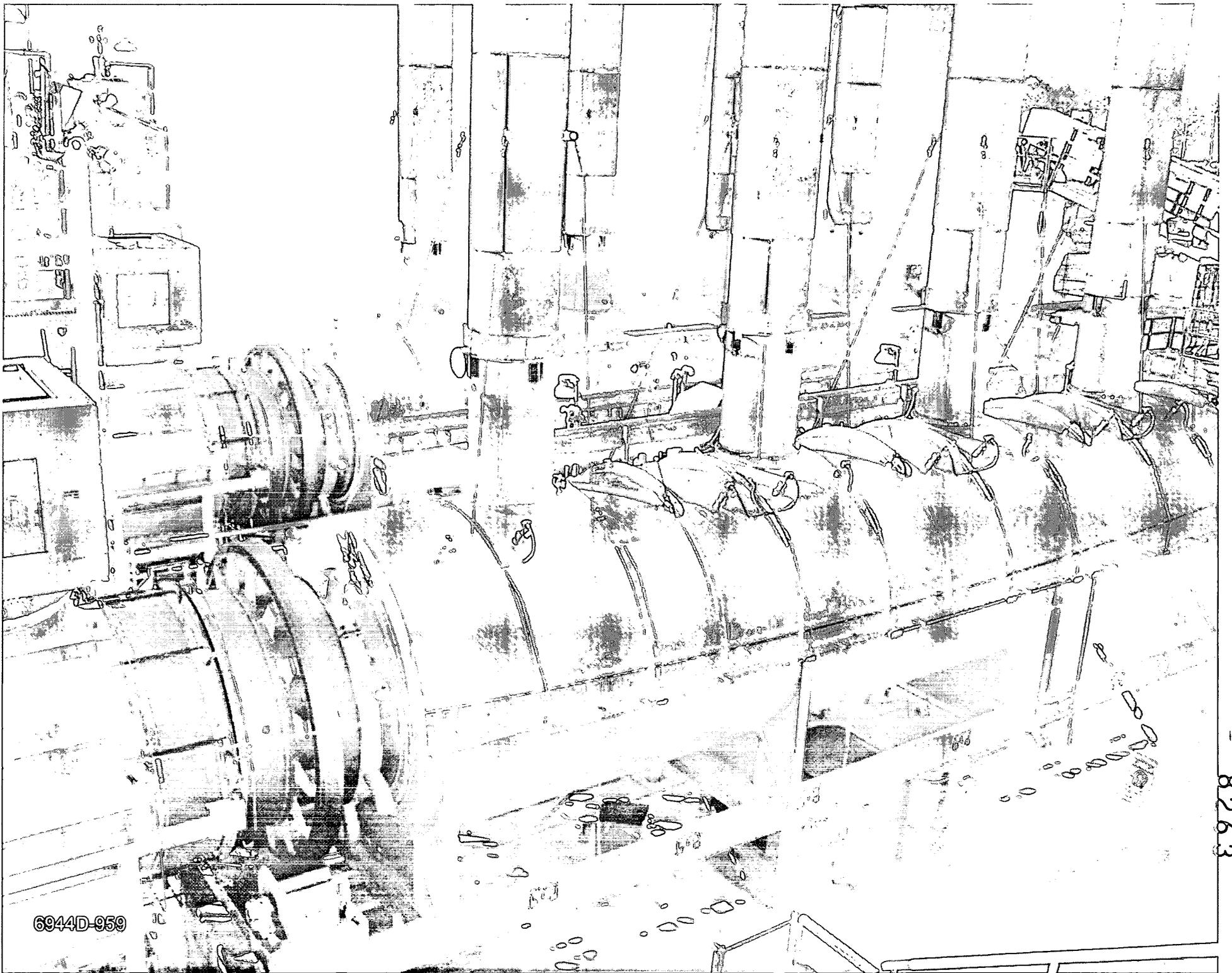
# **OPERABLE UNIT 1 WASTE PITS PROJECT BACKGROUND**

- **38-acre area in northwest quadrant of site**
- **Six individual waste pits, burn pit and clearwell**
- **Approximately 1 million in situ tons of waste**
- **Pits contain low-level radioactive byproducts generated during Fernald's 37-year production mission**
- **Record of Decision issued March 1995**

# **1995 REMEDY ELEMENTS**

- **Construct waste processing and loading facilities**
- ★ **Remove waste pit contents, caps and contaminated liners and excavate surrounding contaminated soil**
- **Treat waste as required to meet waste acceptance criteria of an off-site disposal facility**
- **Ship waste via rail for off-site disposal**
- **Decommission and remove treatment units and associated facilities**
- ★ **Dispose remaining OU1 residual contaminated soil as documented in OU5 ROD**
- ★ **Place backfill into excavations and construct a cover system**

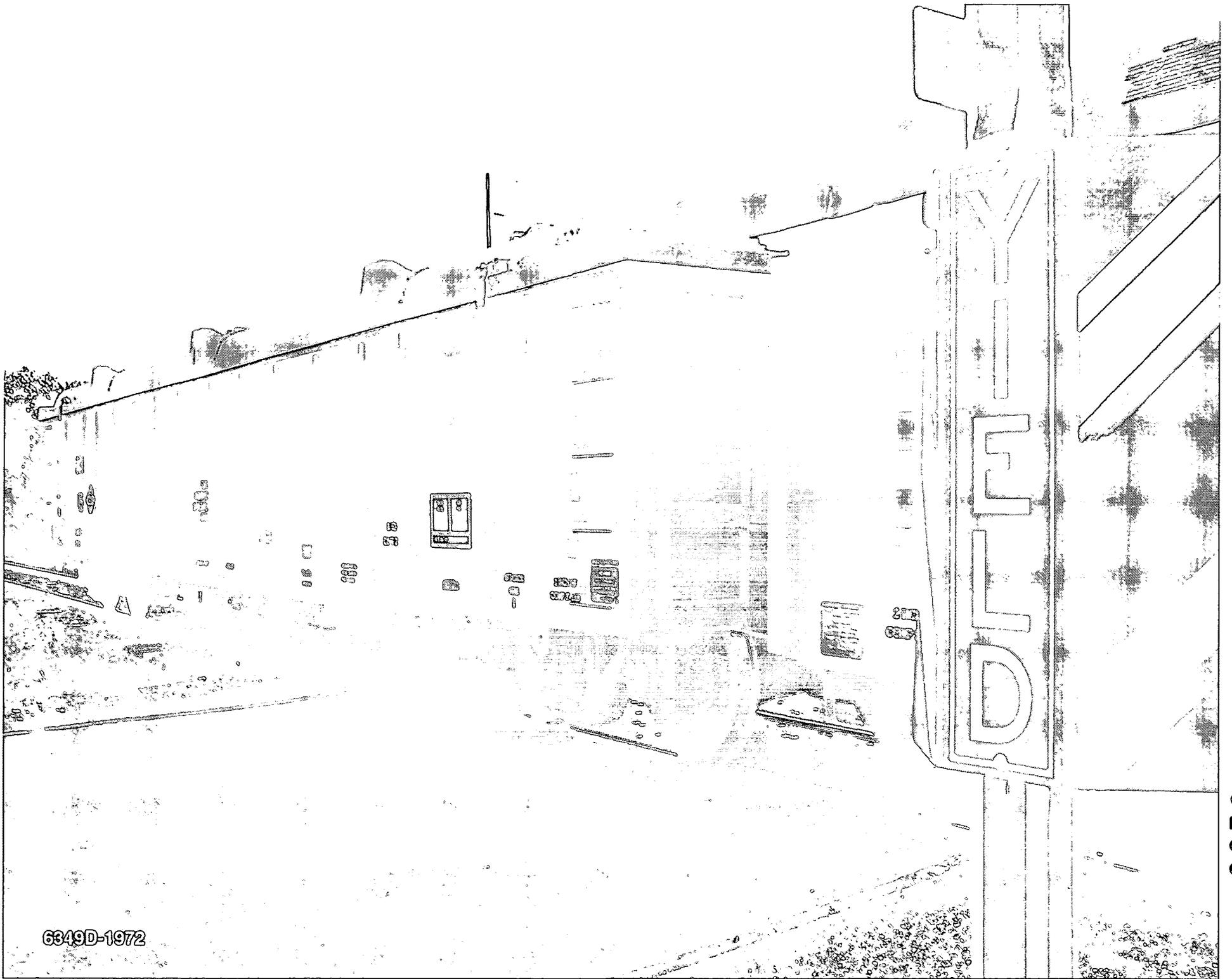
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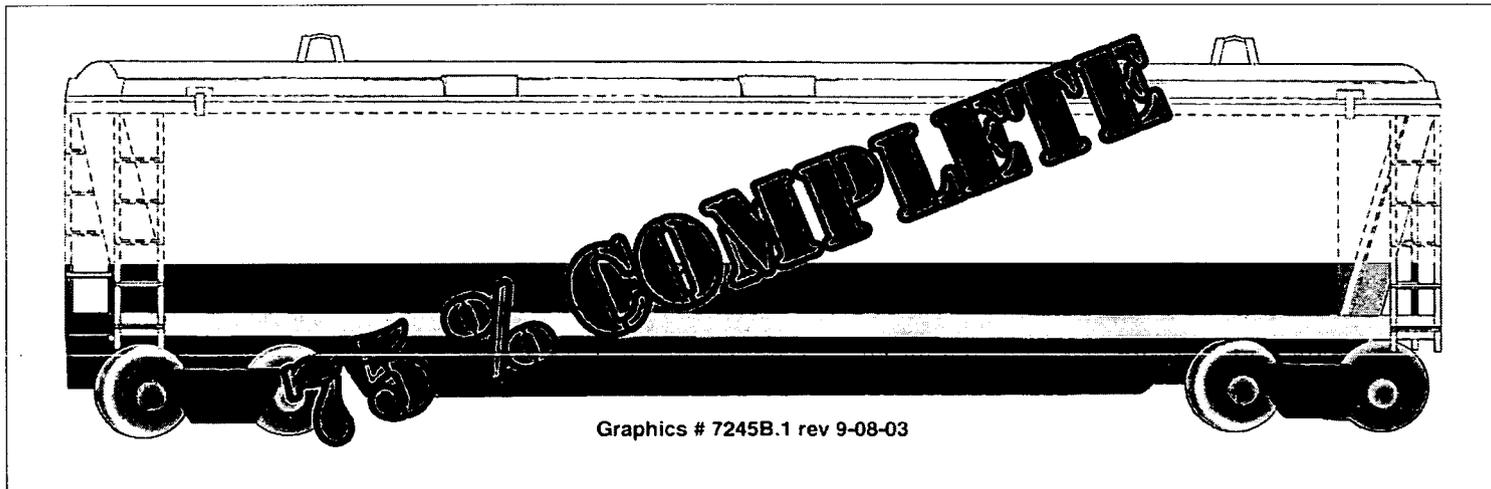


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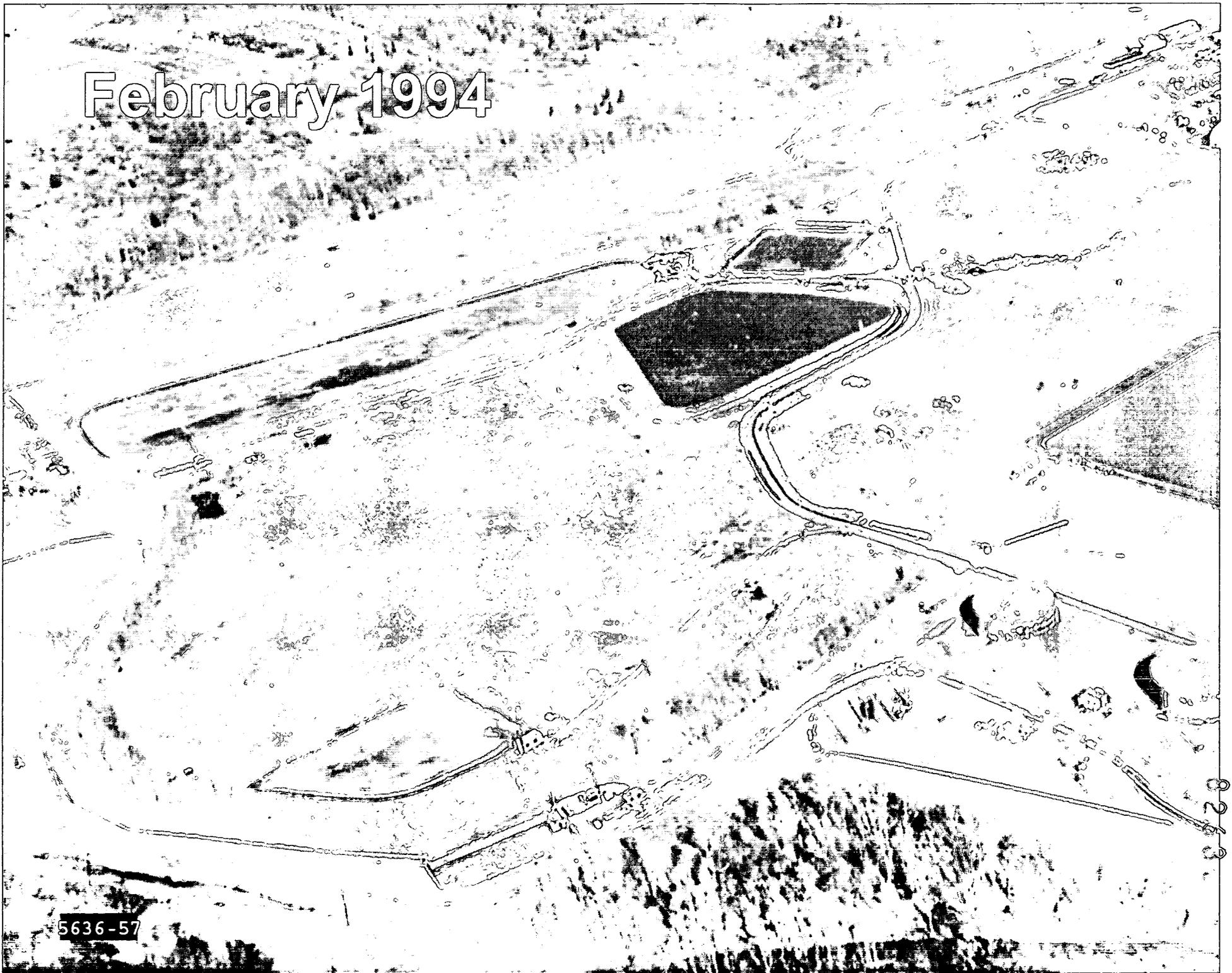
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# PROJECT STATUS

- 75 percent complete
- 97 unit trains totaling 5,756 railcars have shipped 619,000 tons of waste to Envirocare for disposal
- Completion of waste processing operations targeted for August 2004



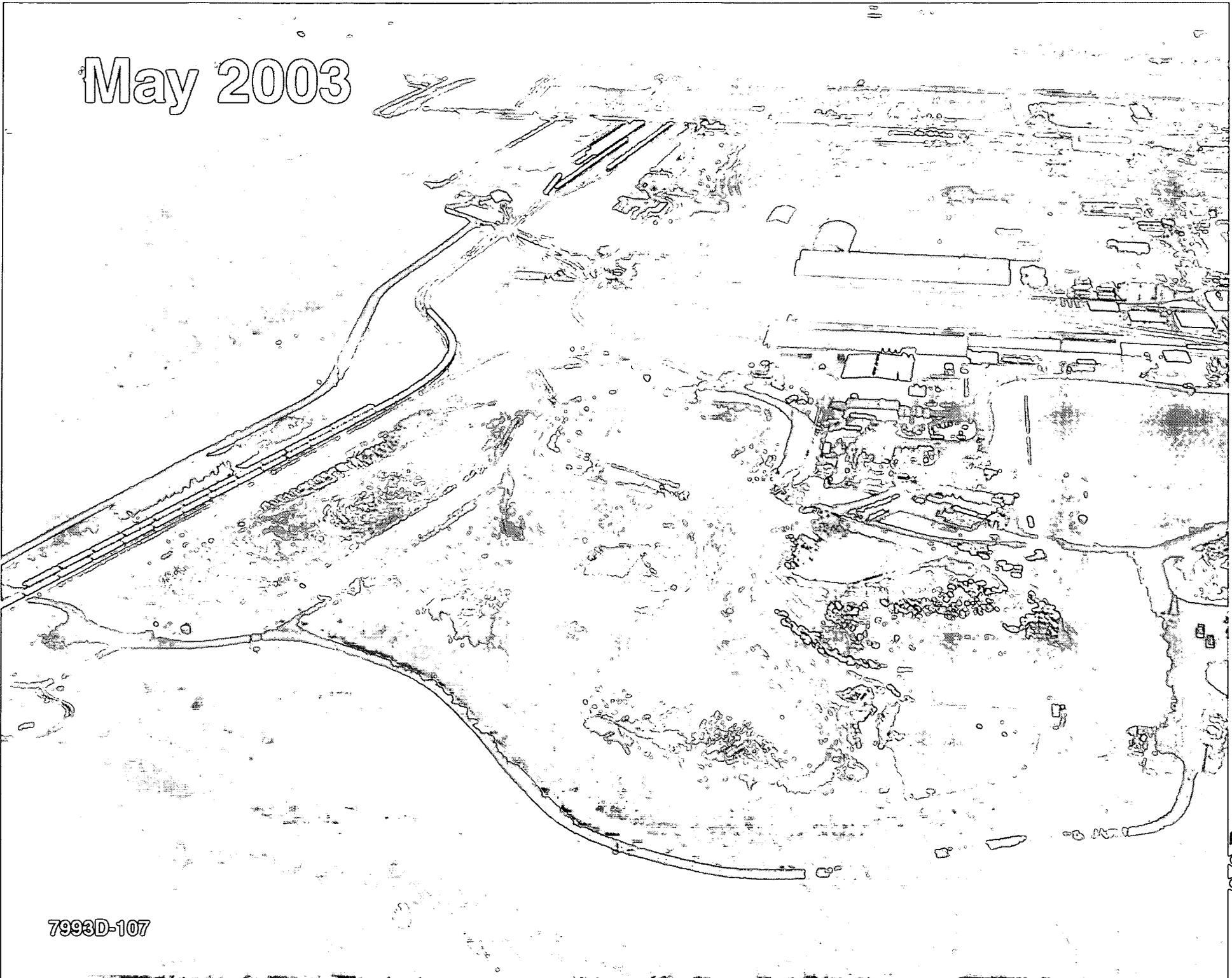
February 1994



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May 2003



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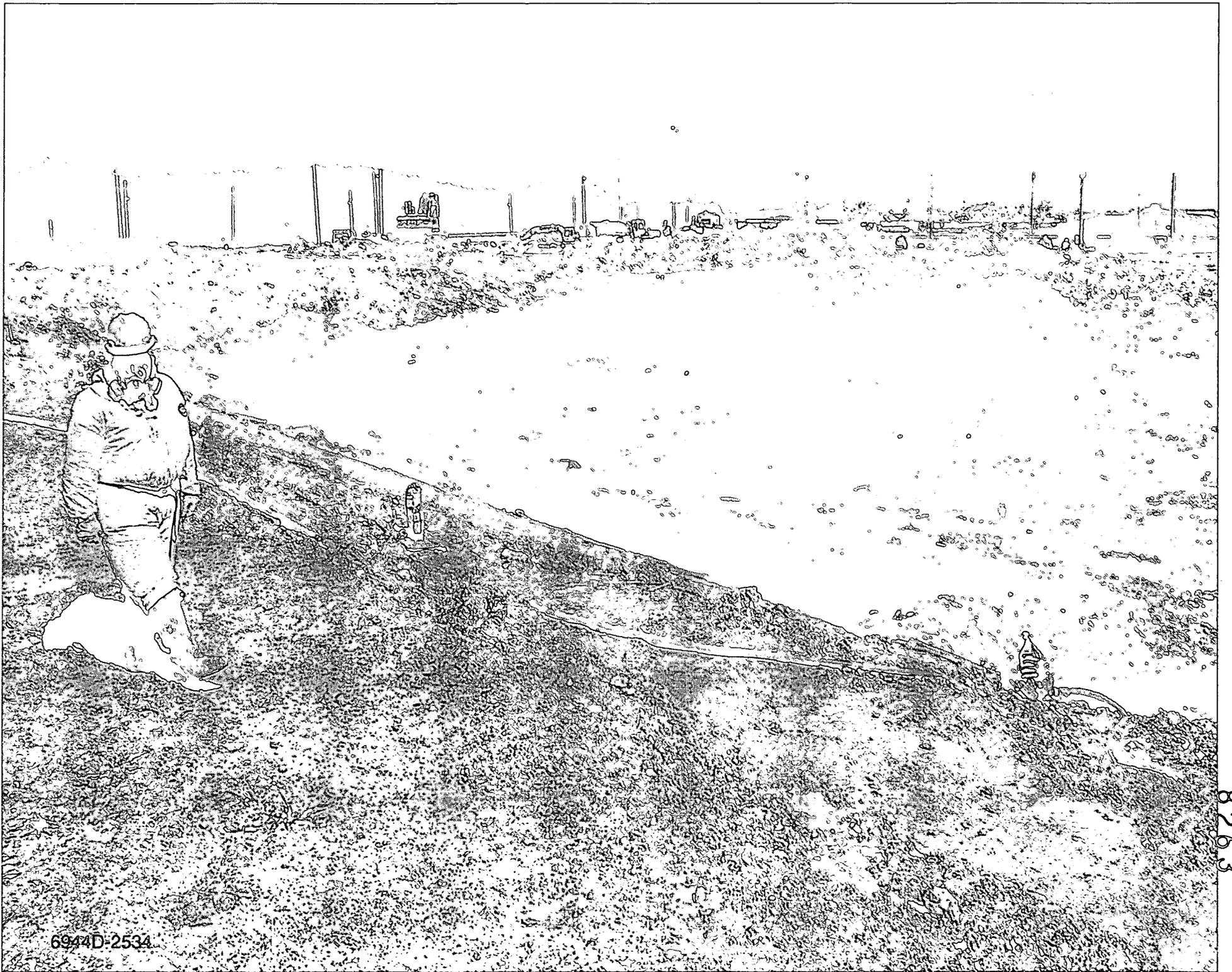
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# LOCATION OF PIT 4 CAP MATERIAL SOURCES

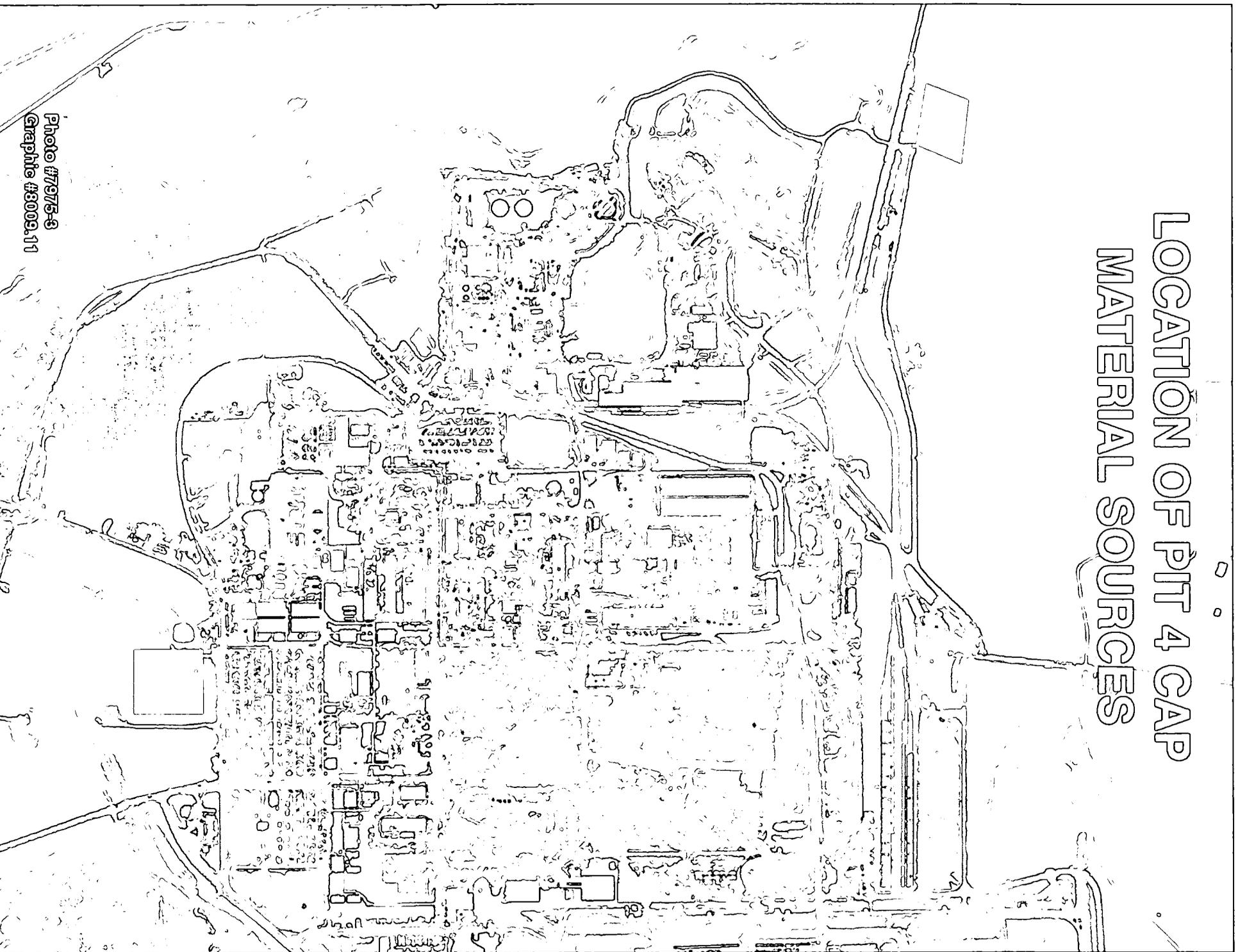


Photo #7975-8  
Graphic #8009.11

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# **PROPOSED CHANGES TO CLEANUP PLAN**

- 1. Place portion of Pit 4 cap (soil cover) into On-Site Disposal Facility**
- 2. Align OU1 and OU5 Technetium (Tc)-99 subsurface soil cleanup levels**
- 3. Align OU1 final cover with sitewide design from *Natural Resource Impact Assessment and Natural Resource Restoration Plan***

## **Place Portion of Pit 4 Cap (Soil Cover) into On-Site Disposal Facility**

- **Cap soils are no longer needed as blend or construction materials within waste processing operations**
- **Comprehensive sampling and analysis confirm cap soils meet On-Site Disposal Facility waste acceptance criteria**
- **Only the near surface layers (top 3.5 ft. or less) were considered for on-site disposal**
- **8,155 yd<sup>3</sup> out of the total cap volume of 14,600 yd<sup>3</sup>**
- **On-site disposal decreases project costs by \$4.5 million**

# **Align OU1 and OU5 Technetium (Tc)-99 Subsurface Soil Cleanup Levels**

- **Why does OU1 have soil cleanup levels?**
- **How did the OU1/OU5 remedy timeline affect decisions?**
- **What is process for alignment?**
  - **Aligning downward - automatic**
  - **Aligning upward - public process**
- **Public participation (ROD Amendment) is necessary to bring OU1 Tc-99 soil cleanup levels into alignment with OU5**

# **Align OU1 Final Cover with Sitewide Design from *Natural Resource Impact Assessment and Natural Resource Restoration Plan***

- **OU1 and sitewide cover system designs**
- **How did the OU1/OU5 remedy timeline affect the cover system design?**
- **Alignment has been recognized beginning with the July 1995 OU1 Remedial Design Work Plan**
- **Inclusion with ROD Amendment concludes the Administrative Process**

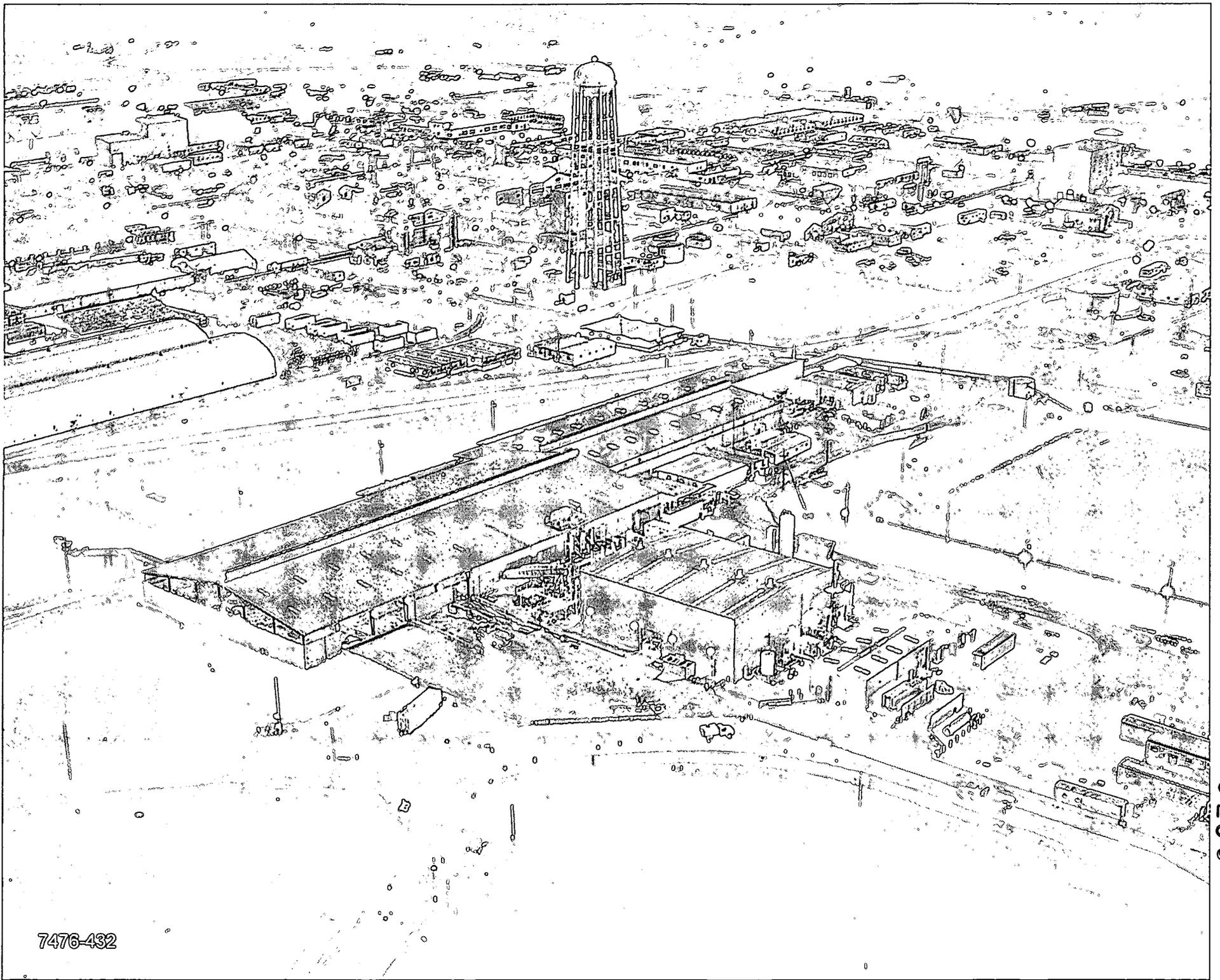
# **CLARIFICATION OF TERMINOLOGY**

## **Contaminated Liners**

- **OU1 ROD called for off-site disposal of contaminated liners**
- **OU1 ROD did not define threshold levels of contamination**
- **OU5 ROD did define threshold levels through the waste acceptance criteria process**
- **OU1 will use the OU5 process for defining contaminated liners**

# **LOOK AHEAD**

- **Amendment to Record of Decision**
  - **Public comment period: Ends October 17**
  - **Public hearing: September 30**
  - **Prepare Responsiveness Summary**
  - **Submit ROD Amendment to EPA for final approval: November**



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