



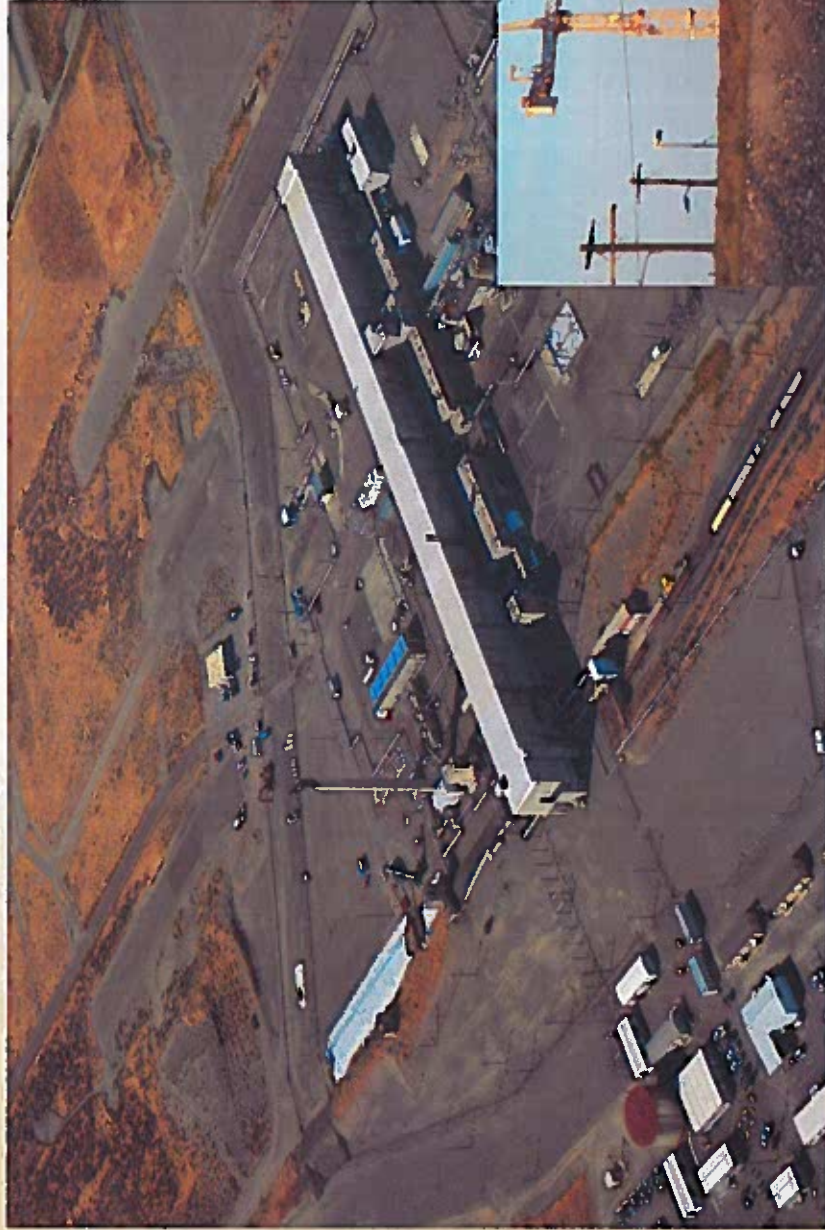
# Oregon Hanford Cleanup Board Presentation

Richland Operations Office  
Joe Franco, DOE-RL Assistant Manager  
for River and Plateau



**RICHLAND**  
**OPERATIONS OFFICE**  
United States Department of Energy

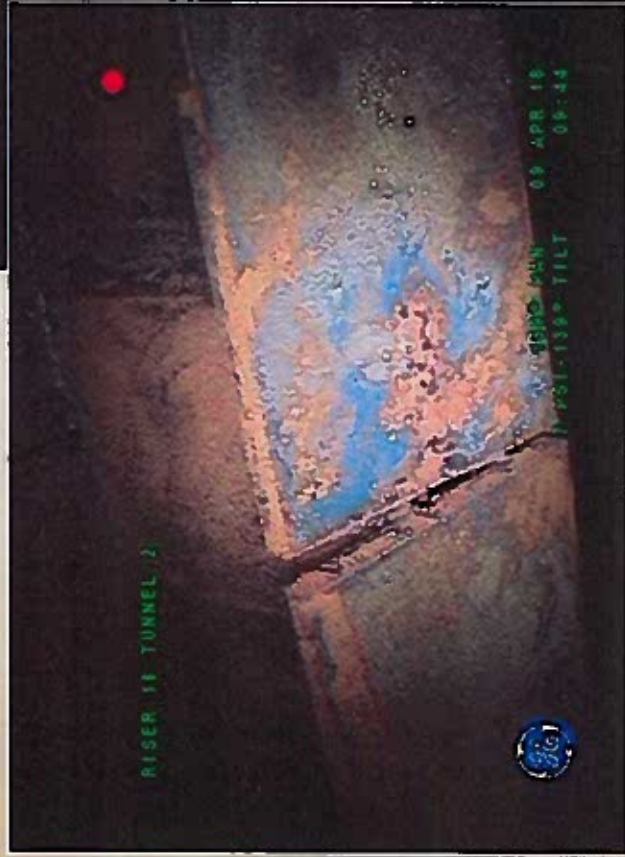
# PUREX Tunnel 1



- One-year after partial collapse
- Tunnel 1 stabilized
- Tunnel 2 in progress
- Collapse precipitated risk evaluation



# PUREX Tunnel 2



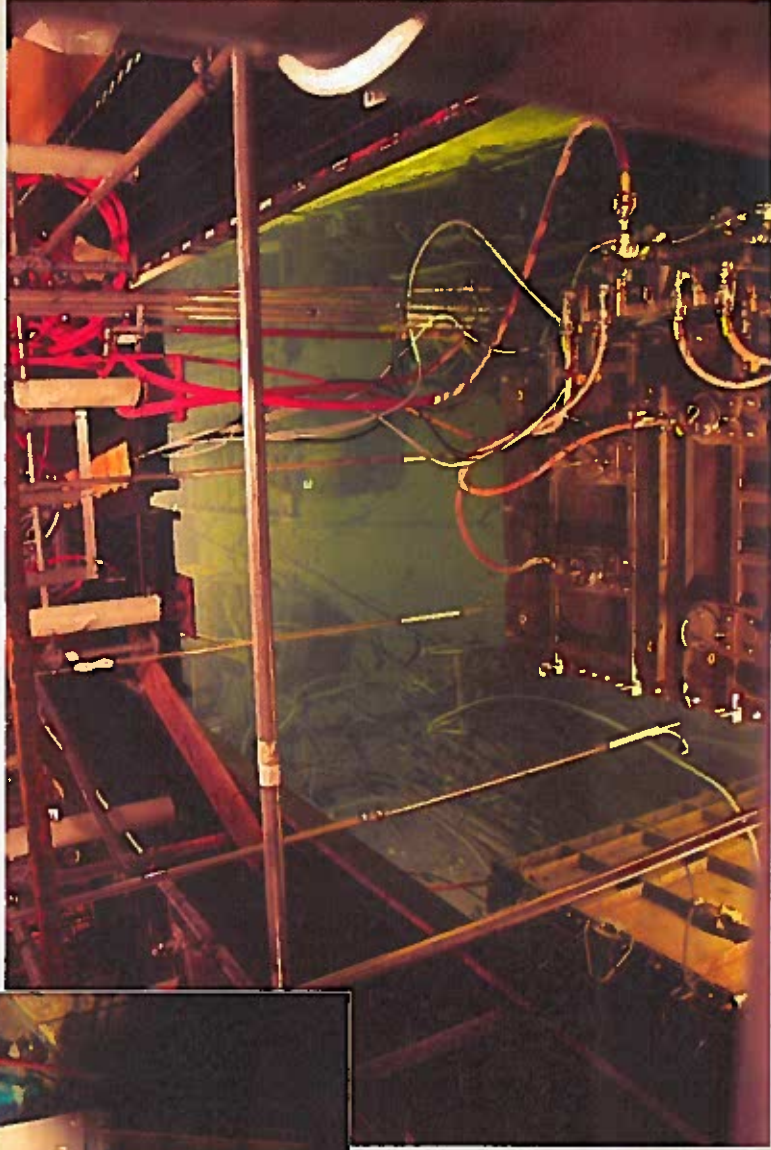
Corrosion at Riser 16



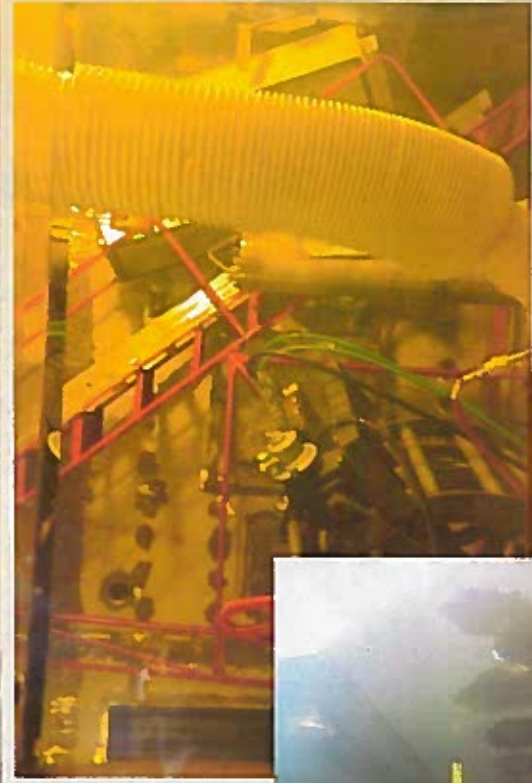
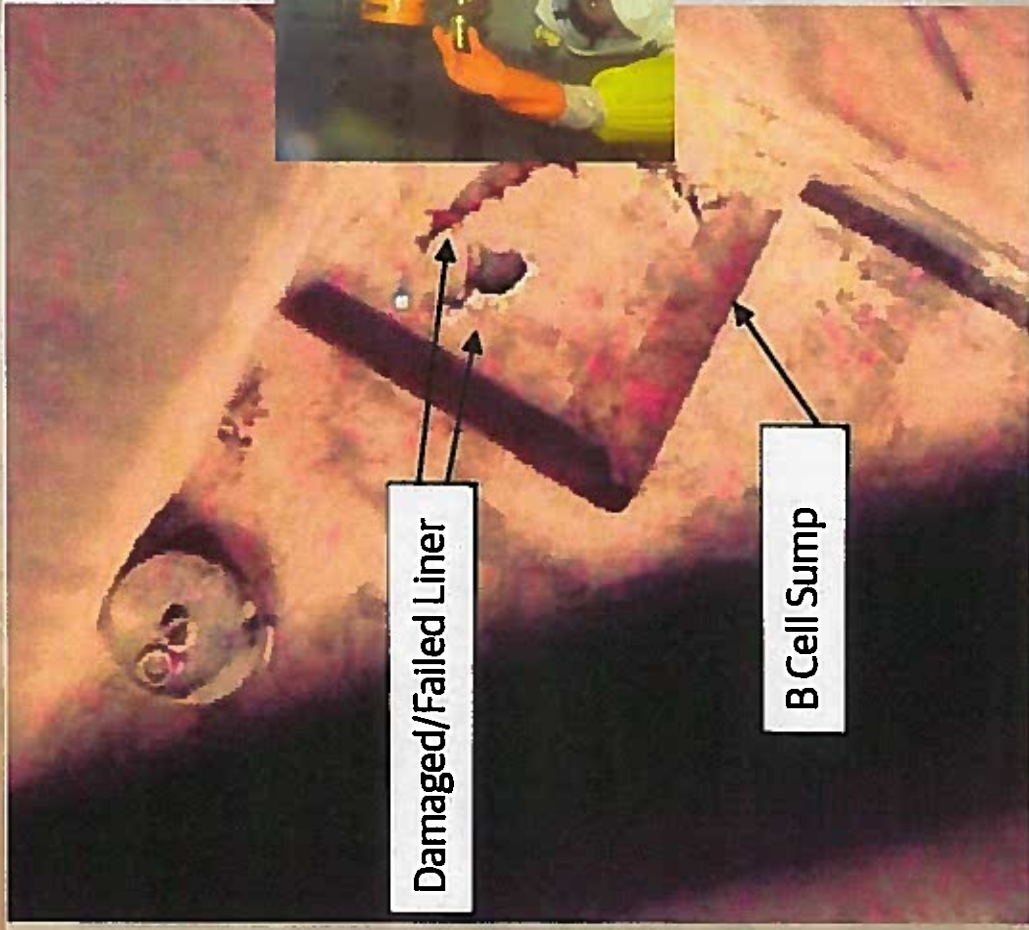
# K Area Sludge Removal Project



- Sludge transfer
- Sand and garnet filter removal
- Characterization and debris removal
- Dewatering and grouting



# 324 Building and 300-296 Waste Site Preparations to Remediate Contaminated Soil

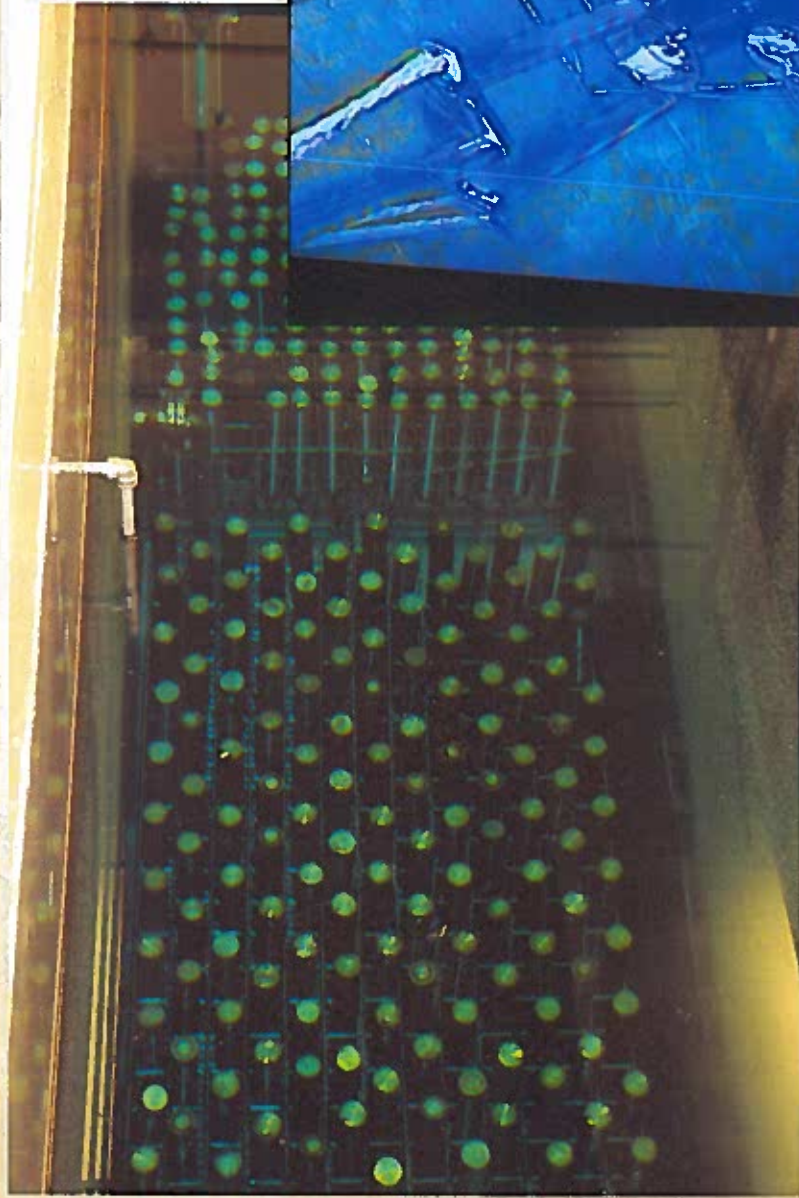


324 hot cell debris



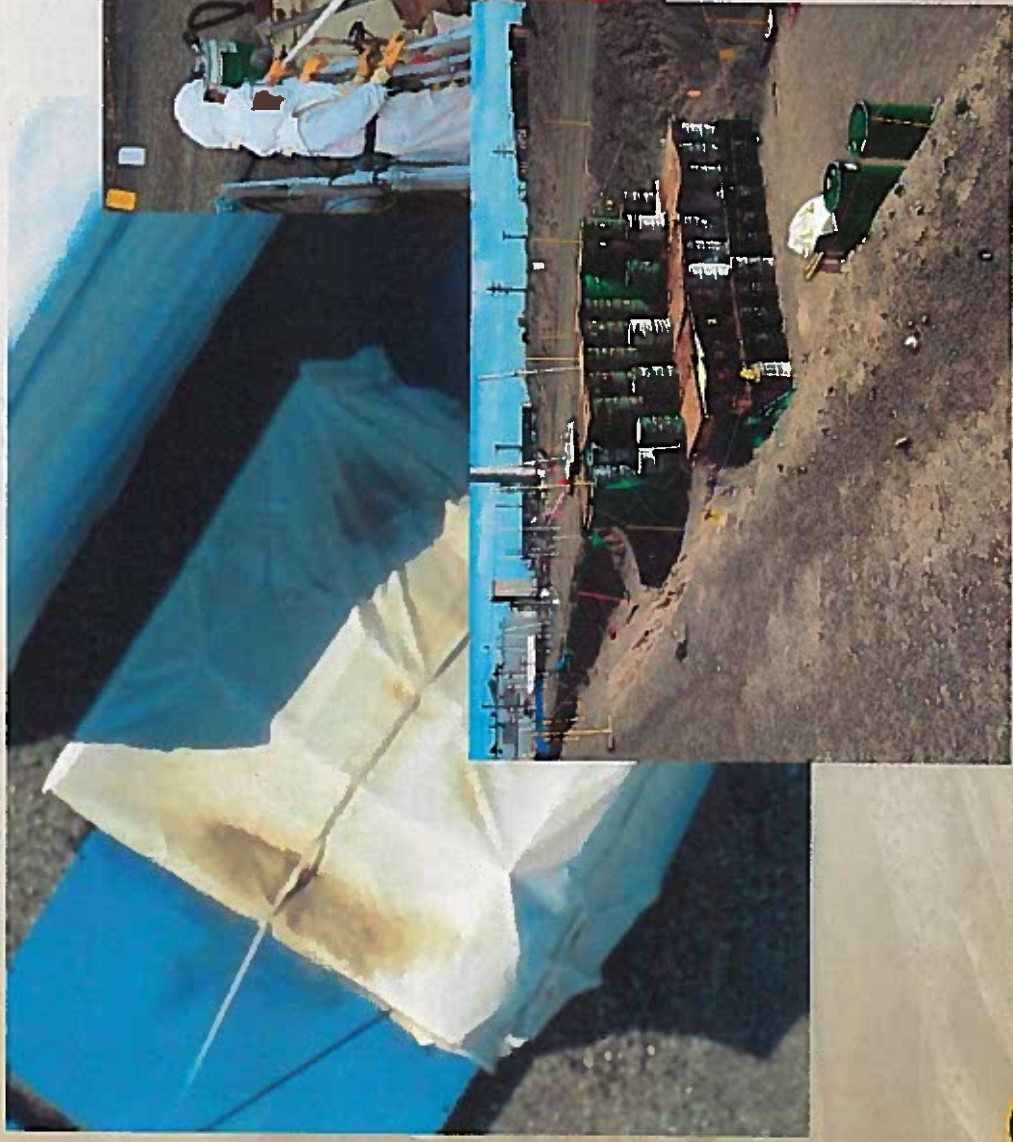
324 mock-up facility

# Cesium and Strontium Capsule Dry Storage



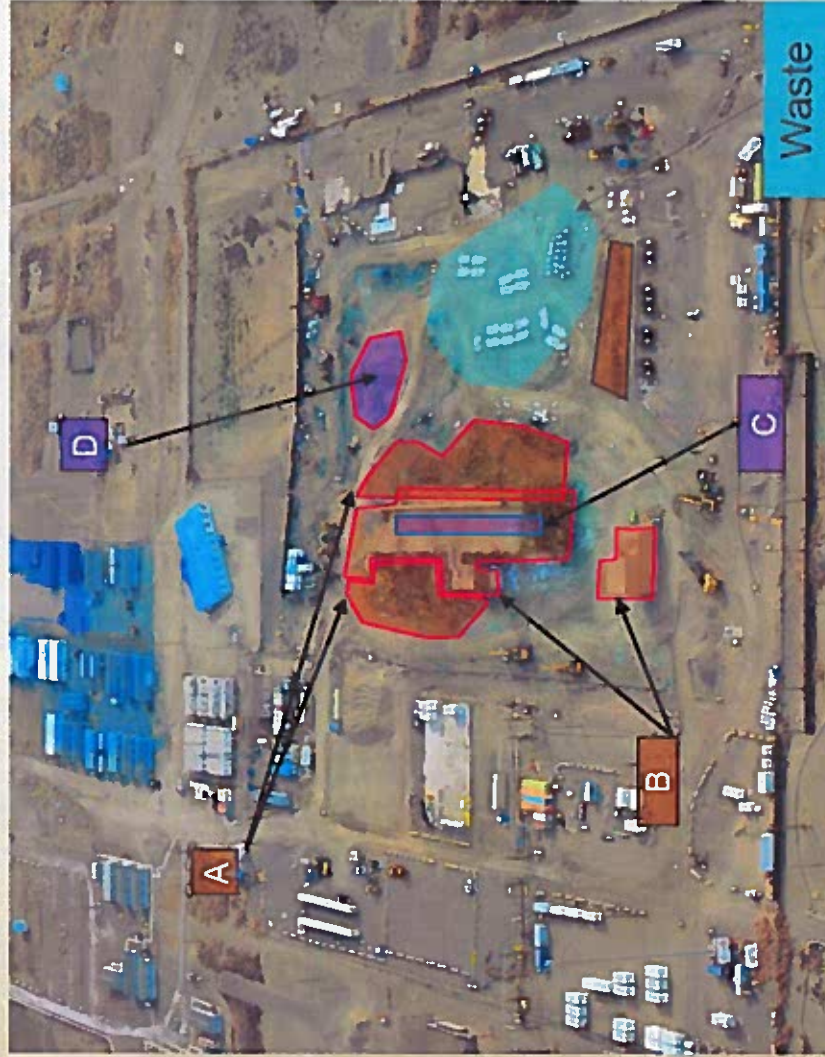
*A video probe is used to view a close up of the capsules.*

# Legacy Waste Processing



# Plutonium Finishing Plant

Risk based on material-at-risk (MAR) and surface contamination configuration



Containerized Waste		
Super Sacks	60%	1835g
Other	30%	912g
<b>Subtotal</b>	<b>90%</b>	<b>2747g</b>



## 216-Z-9 Crib External Structures Risk Mitigation

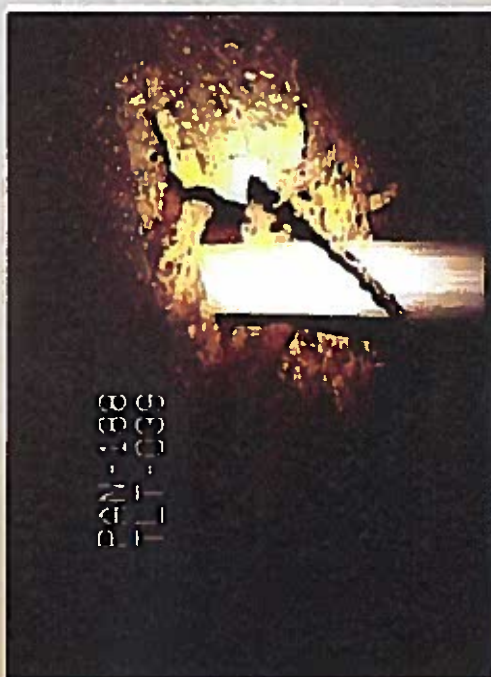
*Interim stabilization of the Z-9 Crib is a high-risk priority due the combination of the possibility of collapse and plutonium it contains.*



# Legacy Tanks



Tank 241-Z-361



PAN-188  
TLT-039

*Deteriorated roof, damaged toward the  
Northeast Corner*

# Collapsed cribs and tank covers



216-Z-1 crib collapse



216-C-9 crib collapse



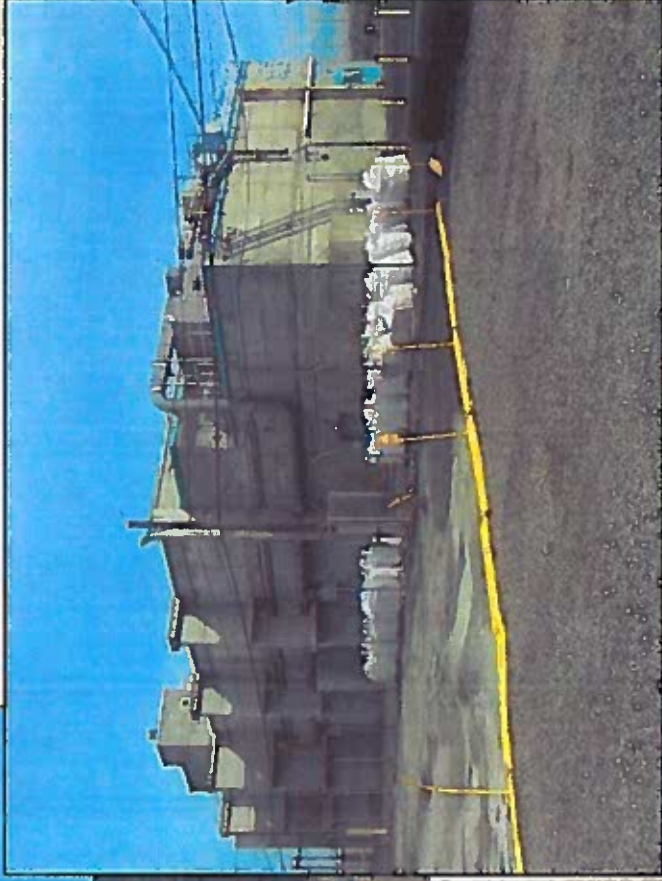
241-CX-70 tank cover collapse

## Excess Facility Risk Mitigation

- Hot cell cleanout (Plutonium)
- Unknown conditions in hot cells
- Removal of remaining alpha contamination
- Building D&D



224B Building

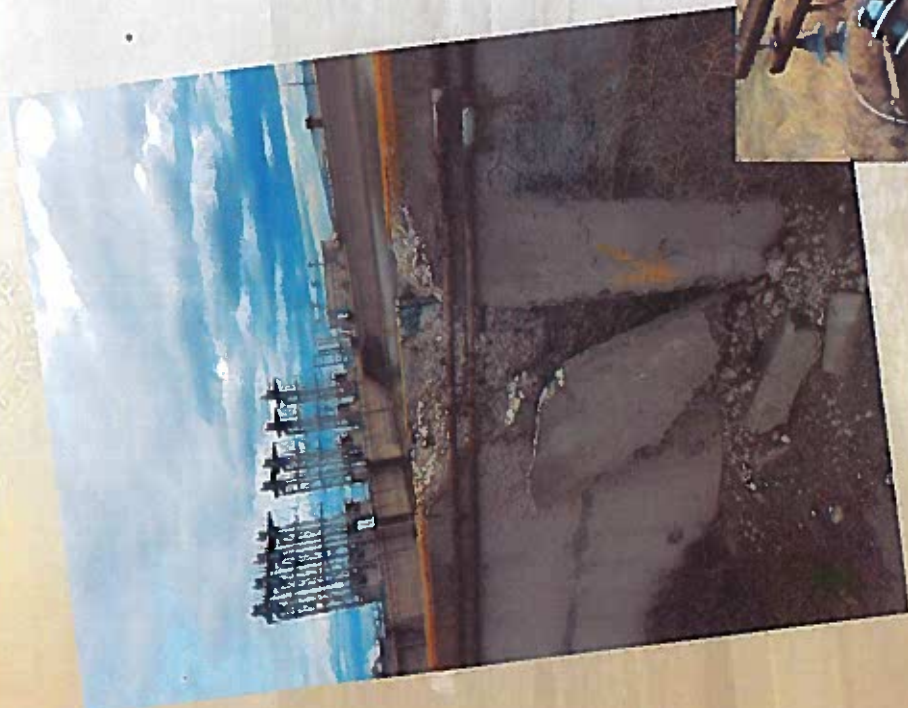


224T Building

# Hanford Site Infrastructure



# Hanford Site Infrastructure



# How Can You Get Involved?



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