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

- Damaged/Failed Liner
- B Cell Sump

324 hot cell debris
324 mock-up facility
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

<table>
<thead>
<tr>
<th>Containerized Waste</th>
<th>60%</th>
<th>1835g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Super Sacks</td>
<td>60%</td>
<td>1835g</td>
</tr>
<tr>
<td>Other</td>
<td>30%</td>
<td>912g</td>
</tr>
<tr>
<td>Subtotal</td>
<td>90%</td>
<td>2747g</td>
</tr>
</tbody>
</table>
Interim stabilization of the Z-9 Crib is a high-risk priority due to the combination of the possibility of collapse and plutonium it contains.
Legacy Tanks

Tank 241-7-361

Deteriorated roof, damaged toward the Northeast Corner
Collapsed cribs and tank covers

216-Z-1 crib collapse

241-CX-70 tank cover collapse

216-C-9 crib 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
How Can You Get Involved?

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