Environmental Restoration
Baseline Disposition Maps

U.S. Department of Energy
Office of Environmental Restoration

October 1998
# Table of Contents

- **Albuquerque**
  - Grand Junction
  - Kansas City
  - LANL
  - Monticello
  - PANTEx
  - Pinellas
  - SNL
  - UMTRA

- **Chicago**
  - ANL-E
  - ANL-W
  - Brookhaven

- **Idaho**
  - INEEL

- **Nevada**
  - NTS & Off-sites

- **Oak Ridge**
  - ORNL
  - Paducah
  - Portsmouth
  - Weldon Spring

- **Oakland**
  - ETEC
  - General Atomics
  - GE Vallecitos
  - LBNL
  - LEHR
  - LLNL-Main Site
  - LLNL-Site 300
  - SPRU
  - Stanford

- **Ohio**
  - Battelle Columbus
  - Fernald
  - Mound
  - RMI(Ashtabula)

- **Richland**
  - Hanford

- **Rocky Flats**
  - RFETS

- **Savannah River**
  - SRS
PREDECISIONAL DRAFT

This map is conceptual and in many cases does not represent cleanup or transfer decisions; this map does not preclude the ongoing regulatory and stakeholder decision-making processes.

**Grand Junction ER Baseline Disposition Map**

### Response Strategy Media Type

<table>
<thead>
<tr>
<th>Future Decision Required</th>
<th>Approved Decision</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated Volume</td>
<td>Regulatory Process</td>
</tr>
</tbody>
</table>

#### Collection and Treatment

- **LLW-Contaminated Other Liquids**
  - 0.50 m³
  - LLW001

#### Collection & Storage

- **MLLW-Contaminated Absorbents**
  - 0.15 m³
  - MLLW002

- **11(e)-2-Contaminated Sludges/Residues**
  - 0.5 m³
  - 11c2-002

- **HAZ-Sludges and Residues**
  - 0.1 m³
  - HAZ001

- **LLW-Contaminated Soil Samples**
  - 2.5 m³
  - LLW002

- **LLW-Contaminated Rubble/Debris**
  - 17.5 m³
  - LLW003

- **11(e)-2-Contaminated Soil**
  - 3.668 m³
  - 11c2-003

- **11(e)-2-Contaminated Rubble/Debris**
  - 3.366 m³
  - 11c2-004

#### Collection & Direct Disposal

- **RASB-Contaminated Rubble/Debris**
  - 8 m³
  - 11c2-006

#### Access/Institutional Control

- **11(e)-2 - Contaminated Groundwater**
  - 88.797 m³
  - 11c2-007

### Processing Disposition

- **TBD**

### Estimated Volumes

- Groundwater/Subsurface: 0 m³
- Media in Place (in situ): 0 m³
- Waste (ex situ): 21.3 m³

**NOTE:** Volumes are estimates only (effective 9/30/98) and they will change as cleanup activities progress.

*Part, or all, is end of 1997 inventory.*

**KEY:**

- INEL
- OR
- Fernald
- SNL
- SRS
- NTS
- Hanford
- WIPP
- Offsite Comm.
- Onsite Comm.
- LANL
- West Valley
- SRS
- Unknown

**On site Interface:**

**Alpha-numeric code in blue is the site stream link identifier (used to link the map to the data)**

**Rev. 3.2**

**10/21/98**
Kansas City ER Baseline Disposition Map

Response Strategy
- Media Type
- Future Decision Required
- Regulatory Process
- Approved Decision
- Processing
- Disposition

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**Collection and Direct Disposal**

- TCE Still Area Sanitary Soil: 102 m³
- TCE Still Area PCB-Contaminated Soil: 161 m³
- Maintenance Vehicle Shop PCB Contaminated Liquid: 24 m³

**Collection and Treatment**

- HAZ - Contaminated Groundwater: 45,000 m³

**Access/Institutional Control**

- Dept. 26 PCB Contam. Soil & Rubble/Debris: 7,325 m³
- Misc. Contam. Sites HAZ Contam. Soil: 6,890 m³
- Druffal 001/NE Area Sanitary Soil: 2,220 m³

**To Be Decided**

- Groundwater/Surfacewater: 0 m³
- Media in Place (In Situ): 0 m³
- Waste (Ex-Situ): 0 m³

**Approved**

- Groundwater/Surfacewater: 45,287 m³
- Media in Place (In Situ): 16,435 m³
- Waste (Ex-Situ): 0 m³

**NOTE:** Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress.

---

**KEY:**

- INEEL
- ORFernald
- SNL
- SNL
- NTB
- Hanford
- WIPP
- Ofsite Comm.
- Ofsite Comm.
- LANL
- West Valley
- BGS
- Unknown
- Interface:

**Alpha-numeric code in blue is the site stream link identifier (used to link the map to the data)**
LANL ER Baseline Disposition Map

This map is conceptual and in many cases does not represent cleanup or transfer decisions; this map does not preclude the ongoing regulatory and stakeholder decision-making processes.

Response Strategy  Media Type  Future Decision Required  Regulatory Process  Approved Decision  Processing  Disposition

<table>
<thead>
<tr>
<th>Collection and Disposal</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLW-Soil/Residues</td>
</tr>
<tr>
<td>LLW-Rubble/Debris</td>
</tr>
<tr>
<td>LLW-Solids</td>
</tr>
<tr>
<td>MLLW</td>
</tr>
<tr>
<td>HAZ-Soil/Sediment</td>
</tr>
<tr>
<td>HAZ-Rubble/Debris</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>In Situ Containment</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLW-Soil/Sediment</td>
</tr>
<tr>
<td>TRU-Soil/Sediment</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>No Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLW-Contaminated Soil/Sediments</td>
</tr>
<tr>
<td>MLLW-Contaminated Soil/Sediment</td>
</tr>
<tr>
<td>HAZ-Contaminated Soil/Sediments</td>
</tr>
<tr>
<td>LLW-Contaminated Sludge/Residues</td>
</tr>
<tr>
<td>HAZ-Contaminated Sludge/Residues</td>
</tr>
<tr>
<td>LLW-Contaminated Rubble/Debris</td>
</tr>
<tr>
<td>MLLW-Contaminated Rubble/Debris</td>
</tr>
</tbody>
</table>

To Be Decided:  Groundwater/Surfacewater: 0m³  Wastes in Place (In-Situ): 284,931m³  Waste (Ex-Situ): 13,447m³
Approved:  Groundwater/Surfacewater: 0m³  Wastes in Place (In-Situ): 500m³  Waste (Ex-Situ): 0m³

NOTE: Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress.

Rev. 3.2  10/21/98

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Monticello ER Baseline Disposition Map

PREDECISIONAL DRAFT

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### Response Strategy
- Media Type

### Future Decision Required
- Estimated Volume
- Regulatory Process
- Approved Decision
- Estimated Volume

### Collection and Disposal
- RRM-Contaminated Sediment: 5,000m³ → MONT2
- RRM-Contaminated Soil: 612,000m³ → MONT1

### Collection and Treatment
- RRM-Contaminated Groundwater: 368,160m³ CERCLA → Precipitation 12,000m³ → MONT4 → On Site Disposal

### Groundwater/Surfacewater:
- To Be Decided: 368,160m³
- Approved: 617,000m³

### Media in Place (In Situ):
- Waste (Ex-Situ):

NOTE: Volumes are estimates only (effective 9/30/98) and they will change as cleanup activities progress.

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- **LLW-Solids/Sediment**:
  - Collection and Direct Disposal: 5m³, RCRA
  - Processing: ER-Sol-03 (Project Complete)
  - Disposition: 1,079 m³ Handoff to LLW for Disposal

- **MLLW-Solids/Sediment**:
  - Collection and Direct Disposal: 765 m³, RCRA
  - Processing: ER-Sol-04

- **HAZ-Solids/Sediment**:
  - Collection and Direct Disposal: 4,837 m³, RCRA
  - Processing: ER-Sol-01
  - Disposition: ER-Sol-02

- **HAZ-Solids/Sediment**:
  - Collection and Direct Disposal: 1,529 m³, RCRA
  - Processing: ER-Sol-05
  - Disposition: ER-Sol-06

- **HAZ-Contaminated Groundwater**:
  - Collection and Direct Disposal: 1,500,000 m³, RCRA
  - Processing: ER-GW-0
  - Disposition: ER-Sol-07

- **In Situ Treatment**:
  - MLLW-Solids/Sediment: 41 m³, RCRA
  - Processing: ER-Sol-08

- **In Situ Containment**:
  - HAZ-Solids/Sediment: 1,001,817 m³, RCRA
  - Processing: ER-Sol-09
  - Disposition: ER-Sol-10

- **HAZ-Solids/Sediment**:
  - Collection and Direct Disposal: 189 m³, RCRA
  - Processing: ER-Sol-04

- **HAZ-Solids/Sediment**:
  - Collection and Direct Disposal: 5,725 m³, RCRA
  - Processing: ER-Sol-05

- **HAZ-Solids/Sediment**:
  - Collection and Direct Disposal: 797,699 m³, RCRA
  - Processing: ER-Sol-06

- **HAZ-Solids/Sediment**:
  - Collection and Direct Disposal: 1,001,817 m³, RCRA
  - Processing: ER-Sol-07

**NOTE:** Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress.

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Pinellas ER Baseline Disposition Map

**Response Strategy**
- Media Type
  - Future Decision Required
  - Approved Decision

**Processing**

**Disposition**

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**HAZ Contaminated GW**

To Be Decided
- Groundwater/Surfacewater: 0 m³
- Media in Place (In Situ): 0 m³
- Waste (Ex-Situ): 0 m³

Approved
- 3,000,000 m³

- On Site Air Stripping Treatment
- 3,000,000 m³

- PIN01

- PIN02

- PIN04

- Commercial Offsite Disposal

- Clean Discharge to POTW

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**NOTES:**
- Volumes are estimates only (based on March 1998 Paths to Closure data) and will change as cleanup activities progress.
- Regulatory process includes State of Florida Contamination Site Cleanup Program and HSWA of RCRA.
- A new in situ groundwater treatment alternative is being evaluated. If approved, the new system is expected to reduce the estimated volume from 3,000,000 cubic meters to 500,000.

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**KEY:**
- NIEEL
- OR Fernald
- FNTS
- SNL
- SRS
- NTS
- Hanford
- WIPP
- Offsite Comm.
- Onsite Comm.
- LANL
- West Valley
- SRS
- Unknown
- Intersite Interface
- On site Interface

Alpha-numeric code in blue is the site stream link identifier (used to link the map to the data)
SNL ER Baseline Disposition Map

**Response Strategy**

<table>
<thead>
<tr>
<th>Media Type</th>
<th>Future Decision Required</th>
<th>Approved Decision</th>
<th>Processing</th>
<th>Disposition</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

**Media Type**

- LLW-Soil & Debris
- HAZ Soil & Debris
- HAZ Soil
- LLW-Soil & Debris
- PCW Soil
- Mixed Waste

**Future Decision Required**

- 1,307m³
- 794m³
- 17.192m³
- 189m³
- 1,768m³
- 2,831m³

**Approved Decision**

- SNL-ER-5
- SNL-ER-2
- SNL-ER-1
- SNL-ER-4
- SNL-ER-3
- SNL-ER-0

**Processing**

- Onsite Treatment Thermal Desorption/Stabilization
- Commercial Stabilization & Disposal
- Commercial Disposal
- Commercial Disposal
- Cap In Place

**Disposition**

- MTB Disposal
- Commercial Disposal
- Onsite CAMU Disposal
- Commercial Disposal
- Cap In Place

**KEY:**

- InSitu Comm.: In situ stabilization
- Offsite Comm.: Offsite treatment
- RL: Radioactive

**NOTE:** Volumes are estimates only (based on March 1996 Paths to Closure data) and they will change as cleanup activities progress.

- Under RCRA, waste that is not excavated/disturbed is not "generated"; thus we do not view capped in place to be "generated".
- CAMU Waste is not "generated" per regulation.

**PREDECISIONAL DRAFT**

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10/21/98

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**UMTRA Groundwater ER Baseline Disposition Map**

**Response Strategy**
- No Action
- In Situ Treatment
- Collection & Treatment

**Media Type**
- Future Decision Required
- Approved Decision

**Estimated Volume**
- Regulatory Process

**Processing**
- Disposition

**Key**:
- In Situ Treatment
- On Site Treatment
- UMTRA Cell Disposal (Cheney)

**To Be Decided**
- Groundwater/Surfacewater: 11,510,000 m³
- Waste Excavated: 0 m³

**Approved**
- Groundwater/Surfacewater: 28,460,000 m³
- Waste Excavated: 0 m³

**NOTE:** Volumes are estimates only (effective 9/30/98) and they will change as cleanup activities progress.

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ANL-E ER Baseline Disposition Map

This map is conceptual and in many cases does not represent cleanup or transfer decisions; this map does not preclude the ongoing regulatory and stakeholder decision-making processes.

**Response Strategy**
- Media Type
- Future Decision Required
- Approved Decision
- Processing
- Disposition

### Collection and Direct Disposal
- LLW-Contaminated D&D Rubble/Debris
  - Estimated Volume: 412 m³
  - Regulatory Process: AD
- LLW-Contaminated D&D Rubble/Debris
  - Estimated Volume: 415 m³
  - Regulatory Process: AQ
- LLW-Contaminated D&D Rubble/Debris (metal)
  - Estimated Volume: 324 m³
  - Regulatory Process: AU
- MLLW-Contaminated D&D Rubble/Debris (metal)
  - Estimated Volume: 64.9 m³
  - Regulatory Process: AE
- MLLW-Contaminated Groundwater
  - Estimated Volume: 66,500 m³
  - Regulatory Process: AG
- HAZ-Contaminated Surface Water
  - Estimated Volume: 850 m³
  - Regulatory Process: AG2

### In Situ Treatment
- MLLW-Contaminated Soil/Sediments
  - Estimated Volume: 17,000 m³
  - Regulatory Process: AI
- HAZ-Contaminated Groundwater
  - Estimated Volume: 65,480 m³
  - Regulatory Process: AK
- MLLW-Contaminated Groundwater
  - Estimated Volume: 124,500 m³
  - Regulatory Process: AM

### In Situ Containment
- LLW-Contaminated Soil
  - Estimated Volume: 7,650 m³
  - Regulatory Process: AP
- HAZ-Contaminated Soil/Sediment
  - Estimated Volume: 76,460 m³
  - Regulatory Process: AO
- HAZ-Contaminated Rubble/Debris
  - Estimated Volume: 394,475 m³
  - Regulatory Process: AS

### Processing
- Macro-encapsulation
  - 64.9 m³
  - Regulatory Process: AF
- MLLW-Contaminated Groundwater
  - 66,500 m³
  - Regulatory Process: TBD
- MLLW-Contaminated Groundwater
  - 850 m³
  - Regulatory Process: AH
- MLLW-Contaminated Groundwater
  - 865 m³
  - Regulatory Process: AW

### Disposition
- Hanford Disposal
- TBD
- Capping
- Contained in Place

**NOTE:** Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress. RCRA presumptive corrective actions under Part B Permit, IEPA 0438020002.

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**Key:**
- INEL
- OR
- Fernald
- FFTES
- SNL
- SRS
- NTS
- Hanford
- WIPP
- Offsite Comm.
- Onsite Comm.
- LBNL
- West Valley
- SRS
- Unknown

Rev. 3.2
10/21/98
ANL-W ER Baseline Disposition Map

**Response Strategy**
- Media Type
- Future Decision Required
- Approved Disposition
- Processing
- Disposal

**Regulatory Process**
- Estimated Volume

**Collection and Direct Disposal**
- LLW-Contaminated Rubble/Debris (D&D)
- In Situ Treatment
- LLW-Contaminated Soil/Sediments
- Inorganic Contaminated Soil/Sediment (Non-Hazardous)

**Key:**
- Inorganic Contaminated Soil/Sediment
- LLW-Contaminated Soil/Sediments
- LLW-Contaminated Rubble/Debris (D&D)

**NOTE:** Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress. DOE-signed ROD submitted to EPA/10 in September 1998.

**Contingency:**
- If phytoremediation is not feasible for removing contaminants from ANL-W soils, ANL-W will need to use the remediation process of excavation and transportation to an off-site TSD.

**Future Decision Required**
- Estimated Volume: 142m³
- Estimated Volume: 13,947m³

**Approved**
- To Be Decided
- Approved: 0m³
- Approved: 14,822m³
- Approved: 512m³

**Disposal**
- DOE Site INEEL Disposal

**Groundwater/Surfacewater:**
- To Be Decided: 0m³
- Approved: 14,822m³
- 512m³

**Media in Place (In Situ):**
- To Be Decided: 0m³
- Approved: 14,822m³
- 512m³

**Onsite/Offsite:**
- To Be Decided: 0m³
- Approved: 14,822m³
- 512m³

**ASIA-IPR**
- To Be Decided: 0m³
- Approved: 14,822m³
- 512m³

**LANL West Valley**
- To Be Decided: 0m³
- Approved: 14,822m³
- 512m³

**SRS**
- To Be Decided: 0m³
- Approved: 14,822m³
- 512m³

**ALO**
- To Be Decided: 0m³
- Approved: 14,822m³
- 512m³

**Rev. 3.2**
- 10/21/98

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NOTE: Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress.

Future "ex-situ" includes excavated wastes that are now "in-situ" and are pending.

NOTE: Media in Place (In Situ): Waste (Ex-Situ): Groundwater/Surface Water:

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### Response Strategy

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<th>Processing</th>
<th>Disposition</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Estimated Volume</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Collection and Direct Disposal</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>10 LLW-Soil/Rubble/Debris</td>
<td>3,917 m³</td>
<td>CERCLA</td>
<td>1,901 m³</td>
<td>AA</td>
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<tr>
<td>6 HAZ Soil/Rubble/Debris</td>
<td>11.6 m³</td>
<td>CERCLA</td>
<td></td>
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<td>8 LLLW-Soil/Rubble/Debris</td>
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<td>CERCLA</td>
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<td>CERCLA</td>
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<td>Collection and Storage</td>
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<tr>
<td>17 HAZ-Rubble &amp; Debris</td>
<td>86.07 m³</td>
<td>CERCLA</td>
<td>1.31 m³</td>
<td>AG</td>
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<tr>
<td>18 MLLW-Rubble &amp; Debris</td>
<td>57.13 m³</td>
<td>RCRA</td>
<td>1.14 m³</td>
<td>AH</td>
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<td>16 MLLW-Rubble &amp; Debris</td>
<td>10 m³</td>
<td>CERCLA</td>
<td></td>
<td>AJ</td>
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<td>Collection and Treatment</td>
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<td></td>
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<tr>
<td>46 LLW-Rubble &amp; Debris</td>
<td>7,817 m³</td>
<td>RCRA</td>
<td>141 m³</td>
<td>AJ</td>
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<td>38 MLLW-Soil, Rubble &amp; Debris</td>
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<td>CERCLA</td>
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<td>AK</td>
<td>AKA</td>
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<tr>
<td>34 MTRU-Sludge</td>
<td>3.160 m³</td>
<td>CERCLA</td>
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<td>AKA</td>
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<td>32 MLLW-Sludge</td>
<td>2 m³</td>
<td>CERCLA</td>
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<td>31 MLLW-Iiquid</td>
<td>10 m³</td>
<td>CERCLA</td>
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<td>AN</td>
<td>ANA</td>
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<td>30 MTRU-Sludge</td>
<td>0.3 m³</td>
<td>CERCLA</td>
<td></td>
<td>AO</td>
<td>AOAA</td>
</tr>
</tbody>
</table>

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### Media Type

- **LLW-Soil/Rubble/Debris**
- **HAZ Soil/Rubble/Debris**
- **LLW-Soil/Rubble/Debris**
- **MLLW-Sludge**
- **MLLW-Sludge**
- **MTRU-Sludge**

**Key:**

- **INEEL**
- **OR**
- **Fernald**
- **IEES**
- **SNL**
- **SRS**
- **CEH**
- **Hanford**
- **WIPP**
- **Onsite-Comm**
- **Onsite Comm**
- **LANL**
- **West Valley**
- **SGS**
- **Unknown**

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**Media Type**
- MTRU-Soil, Rubble, & Debris
- LLW Liquid
- LLW Soil/Rubble/Debris
- MLLW Soil
- HAZ Soil/Rubble/Debris
- MLLW-Soil

**Volume**
- 288,000m³
- 2.42m³
- 2.57m³
- 510m³
- 105m³
- 415m³
- 300m³

**Processing**
- Separation
- Chem. Extraction
- Stabilization

**Disposal**
- Return to Remediation Unit for Capping
- AQB
- On Site Disposal
- Off Site Treatment

**NOTE:** Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress.

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10/21/98
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Rev. 3.2
10/21/98

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### INEEL ER Baseline Disposition Map (Page 4 of 4)

**Response Strategy** | **Media Type** | **Future Decision Required** | **Regulatory Process** | **Approved Decision** | **Processing** | **Disposition**
--- | --- | --- | --- | --- | --- | ---
| | | Estimated Volume | | Estimated Volume | | |

#### In Situ Containment

| 11,52,53 | LLW Soil/Rubble/Debris | 47,119m³ CERCLA | 823m³ | BL | Cap in Place |
| 54 | MLLW Liquid | 1,52m³ CERCLA | BM |
| 65,56,63,44 | MLLW Soil/Rubble/Debris | 392,374,43m³ CERCLA | 5,819m³ | BN |
| 57 | MTRU Soil | 602,8m³ CERCLA | BO |

#### On-Site Institutional Control

| 49,51,61 | HAZ Soil/Rubble & Debris | 410m³ | BQ |
| 1,2 | HAZ Liquid & Sludge | 58,074m³ CERCLA | BR |
| 3 | HAZ Soil | 990,5m³ CERCLA | BS |
| 4 | LLW CPP Groundwater | 4,737,000,000m³ CERCLA | BT |
| 5,6 | MLLW Soil/Rubble/Debris | 84,566m³ CERCLA | 3,115m³ | BU |
| 7 | MLLW Soil | 11,078m³ CERCLA | 213m³ | BV |

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### Response Strategy

<table>
<thead>
<tr>
<th>Media Type</th>
<th>Future Decision Required</th>
<th>Approved Decision</th>
<th>Processing</th>
<th>Disposition</th>
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</thead>
<tbody>
<tr>
<td><strong>LLW Sludge</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LLW Contaminated Soils</strong></td>
<td></td>
<td></td>
<td>RCRA</td>
<td></td>
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<tr>
<td><strong>LLW Liquid (Disposal Wells)</strong></td>
<td></td>
<td></td>
<td>RCRA</td>
<td></td>
</tr>
<tr>
<td><strong>RCRA HAZ Waste</strong></td>
<td></td>
<td></td>
<td>RCRA</td>
<td></td>
</tr>
<tr>
<td><strong>LLW Contaminated Soil</strong></td>
<td></td>
<td></td>
<td>RCRA</td>
<td></td>
</tr>
<tr>
<td><strong>HAZ Sludge</strong></td>
<td></td>
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<td>RCRA</td>
<td></td>
</tr>
<tr>
<td><strong>HAZ Contam. Soil</strong></td>
<td></td>
<td></td>
<td>RCRA</td>
<td></td>
</tr>
<tr>
<td><strong>HAZ Sludge &amp; Liquid</strong></td>
<td></td>
<td></td>
<td>RCRA</td>
<td></td>
</tr>
<tr>
<td><strong>HC Contam. Sludge</strong></td>
<td></td>
<td></td>
<td>RCRA</td>
<td></td>
</tr>
<tr>
<td><strong>LLW Sludge &amp; Liquid</strong></td>
<td></td>
<td></td>
<td>RCRA</td>
<td></td>
</tr>
<tr>
<td><strong>UXO Rubble</strong></td>
<td></td>
<td></td>
<td>RCRA</td>
<td></td>
</tr>
<tr>
<td><strong>Red Contaminated Ground Water</strong></td>
<td></td>
<td></td>
<td>RCRA</td>
<td></td>
</tr>
</tbody>
</table>

#### Media Type

- **LLW**: Low-level waste
- **HAZ**: Hazardous waste
- **RCRA**: Resource Conservation and Recovery Act
- **UXO**: Unexploded ordnance

#### Processing

- **NVTS-02**
- **NVTS-04**
- **NVTS-07**
- **NVTS-10**
- **NVTS-11**
- **NVTS-19**

### Disposition

- **RCRA Closure-in-Place & Post-Closure Monitoring**
- **Closure-in-Place**
- **Maintain Institutional Control**

---

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**Volume Detail**

<table>
<thead>
<tr>
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<th>Processing</th>
<th>Disposition</th>
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</table>

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**OR ER Baseline Disposition Map (Page 1 of 2)**

**Response Strategy**

**Media Type**

<table>
<thead>
<tr>
<th>Media Type</th>
<th>Future Decision Required</th>
<th>Approved Decision</th>
<th>Processing</th>
<th>Disposition</th>
</tr>
</thead>
<tbody>
<tr>
<td>LLW-Soil/Sludge/Residue/Rubble Debris/Other Solids</td>
<td>Estimated Volume</td>
<td>Regulatory Process</td>
<td>Estimated Volume</td>
<td>GAB</td>
</tr>
<tr>
<td>LLW-Soil/Sludge/Residue/Rubble Debris/Other Solids</td>
<td>12,864m³</td>
<td>CERCLA</td>
<td>1,762m³</td>
<td>14,407m³ Hand off to LLW (FY98-2000) (DBG, DBJ, DBK)</td>
</tr>
<tr>
<td>LLW-Soil/Sludge/Residue/Rubble Debris/Other Solids</td>
<td>52,172m³</td>
<td>CERCLA</td>
<td>500m³</td>
<td>TBD Commercial Treatment</td>
</tr>
<tr>
<td>LLW-Soft Solids</td>
<td>998m³</td>
<td>CERCLA</td>
<td>TBD Commercial Treatment</td>
<td></td>
</tr>
<tr>
<td>LLW-Soft Solids</td>
<td>998m³</td>
<td>CERCLA</td>
<td>TBD Commercial Treatment</td>
<td></td>
</tr>
<tr>
<td>LLW-Metals</td>
<td>984m³</td>
<td>CERCLA</td>
<td>TBD Commercial Treatment</td>
<td></td>
</tr>
<tr>
<td>PCB Solids</td>
<td>105m³</td>
<td>CERCLA</td>
<td>TBD Commercial Treatment</td>
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<tr>
<td>RAD PCB-Other Solids Rubble Debris</td>
<td>645m³</td>
<td>CERCLA</td>
<td>TBD Commercial Treatment &amp; Disposal</td>
<td></td>
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<tr>
<td>MLLW-Soil/Sediment/Sludge/Residue/Rubble Debris/Other Solids</td>
<td>26,192m³</td>
<td>CERCLA</td>
<td>3,883m³</td>
<td>TBD Commercial Treatment &amp; Disposal</td>
</tr>
<tr>
<td>MLLW-Soil/Sediment/Sludge/Residue/Rubble Debris/Other Solids</td>
<td>24,553m³</td>
<td>CERCLA</td>
<td>1,305m³</td>
<td>TBD Commercial Treatment &amp; Disposal</td>
</tr>
<tr>
<td>MLLW-Soft Solids</td>
<td>226m³</td>
<td>CERCLA</td>
<td>TBD Commercial Treatment &amp; Disposal</td>
<td></td>
</tr>
<tr>
<td>MLLW-Soft Solids</td>
<td>136m³</td>
<td>CERCLA</td>
<td>TBD Commercial Treatment &amp; Disposal</td>
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<tr>
<td>HAZ-Soil/Sediment/Sludge/Residue/Rubble Debris/Other Solids</td>
<td>259,469m³</td>
<td>CERCLA</td>
<td>TBD Commercial Treatment &amp; Disposal</td>
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<tr>
<td>HAZ-Soil/Sediment/Sludge/Residue/Rubble Debris/Other Solids</td>
<td>20,716m³</td>
<td>CERCLA</td>
<td>TBD Commercial Treatment &amp; Disposal</td>
<td></td>
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<tr>
<td>HAZ-Soil/Sediment/Sludge/Residue/Rubble Debris/Other Solids</td>
<td>3,848m³</td>
<td>CERCLA</td>
<td>TBD Commercial Treatment &amp; Disposal</td>
<td></td>
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<tr>
<td>TRU-Solids</td>
<td>22m³</td>
<td>CERCLA</td>
<td>TBD Commercial Treatment &amp; Disposal</td>
<td></td>
</tr>
</tbody>
</table>

**PREDECISIONAL DRAFT**

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** collection and Treatment**

- ORNL Main Plant Surface Impoundments LLW Liquids
- LLW-Groundwater/Surfacewater/Other
- HAZ-Groundwater/Surfacewater/Other
- RAD Asbestos-Rubble Debris
- Capped Areas
- Access Controlled

** Media Type**

- Surface Impoundments
- Sediment/Soil
- LLW-Soils
- Groundwater/Surfacewater/Other
- Asbestos-Rubble Debris
- Capped Areas
- Access Controlled

** Future Decision Required**

- Estimated Volume
- Future Decision Required
- Regulatory Process

** Approved Decision**

- Estimated Volume
- Approved Decision

** Processing**

- 7,715.1 m$^3$ From Mixed PWMP Sludge from EM-30 Storage
- 5,483.8 m$^3$ From Mixed PWMP unstimlated from EM-30 Storage
- 7,793 m$^3$ GBI
- 2,453 m$^3$ GBK
- 147,519 m$^3$ CERCLA
- 5,013,710 m$^3$ CERCLA
- 7,556,838 m$^3$ CERCLA
- 4,115 m$^3$ CERCLA
- 58,802 m$^3$ CERCLA

** Disposition**

- 7,793 m$^3$ GGB Handoff to LLW (DBY)
- 148,578 m$^3$ Handoff to LLW Wastewater Treatment (CAA, DBY)
- 14,356,156 m$^3$ Handoff to MLLW Wastewater Treatment (CAB, CAA, DBA)
- 2,180 m$^3$ GAO Handoff to LLW (FY98-2000) (DBJ)
- 4,115 m$^3$ GBP
- 58,802 m$^3$ GGJ

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Portsmouth ER Baseline Disposition Map

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**Response Strategy**

<table>
<thead>
<tr>
<th>Media Type</th>
<th>Future Decision Required</th>
<th>Approved Decision</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAN-Debris/Soil/Sediment</td>
<td>Estimated Volume</td>
<td>Regulatory Process</td>
</tr>
<tr>
<td>HAZ-Debris/Soil/Sediment</td>
<td>10,355m³</td>
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</tr>
<tr>
<td>MLLW-Debris/Soil/Sediment/Soil</td>
<td>867m³</td>
<td></td>
</tr>
<tr>
<td>MLLW-Groundwater/Surfacewater/Other</td>
<td>1,355,500m³</td>
<td></td>
</tr>
<tr>
<td>HAZ-Groundwater/Surfacewater/Other</td>
<td>11,482,035m³</td>
<td></td>
</tr>
<tr>
<td>Capped Areas</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Collection & Disposal**

- SAN-Debris/Soil/Sediment: 262m³ AAP
- HAZ-Debris/Soil/Sediment: 10,355m³ AAQ
- MLLW-Debris/Soil/Sediment/Soil: 867m³ AAR
- MLLW-Groundwater/Surfacewater/Other: 1,355,500m³ AAU
- HAZ-Groundwater/Surfacewater/Other: 11,482,035m³ AAV
- Capped Areas: 7m³ AAA

**Processing**

- 12,837,628m³ NPDES Discharge
- 12,837,538m³ Commercial Off Site Mill MW Carbon Regeneration Treatment
- 93m³ From Portsmouth MLLW map

**Disposition**

- Off Site Commercial Sanitary Landfill
- Off Site Commercial Treatment & Disposal

**Key**

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*Groundwater, Surfacewater, and Liquids via X-622T, X-622, X-623, X-624, and X-625 WWTF

Rev. 3.2
10/21/98
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**Response Strategy**

- **Media Type**
  - Groundwater/Surfacewater/Wastewater
  - Contaminated Sludges/Residues
- **Future Decision Required**
- **Approved Decision**
- **Processing**
  - Onsite Wastewater Treatment Facility
  - Quarry Treatment Facility
  - On Site Grouting
  - Commercial Treatment
- **Disposal**
  - Off Site Discharge
  - Cell Disposal

**Waste/Material Streams**

- **HAZ-RCRA/TSCA Solids**
- **11e(2)-D&D Debris**
- **11e(2)-Contaminated Soil**

**Collection and Treatment**

- **11e(2)-Groundwater/Surfacewater/Wastewater**
- **11e(2)-Contaminated Sludges/Residues**

**Volume Details**

- **Estimated Volume**: 494,032m³
- **Processed Volume**: 493,538m³
- **Residuals**: 494m³

**Approved Decision**

- **494,032m³**
- **493,538m³**
- **871,113.6m³**

**To Be Decided**

- Groundwater/Surfacewater: 0m³
- Mode in Place (In Situ): 0m³
- Waste (Ex-Situ): 871,113.6m³

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Key:
- NEEL: Hanford
- OR: Offsite Comm.
- Female: Onsite Comm.
- WIPP: LANL
- SNL: West Valley
- SRS: SNELL
- NTS: SRS
- WEN: NTS
- Hanford: SRS
- Offsite Comm.: SNELL
- Onsite Comm.: SRS
- LANL: West Valley
- WS4: SNELL
- WS5: Unknown
- Intersect Interface: On Site Interface: 

Rev. 3.2
10/21/98
General Atomics ER Baseline Disposition Map

This map is conceptual and, in many cases, does not represent cleanup or transfer decisions. This map does not preclude the ongoing regulatory and stakeholder decision-making processes.

Response Strategy | Media Type | Future Decision Required | Approved Decision | Processing | Disposition

| LLW Soil | 336m³ | CA | 336m³ | On Site Certification, Characterization and Packaging | Commercial Disposal (low activity) |
| MLLW Soil | 1.4m³ | CB | 1.4m³ | On Site Stabilization and Deactivation | Hanford Disposal (high activity) |

To Be Decided

<table>
<thead>
<tr>
<th>Groundwater/Surfacewater</th>
<th>Media in Place (in situ)</th>
<th>Waste (Ex-situ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0m³</td>
<td>0m³</td>
<td>0m³</td>
</tr>
</tbody>
</table>

NOTE: Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress.

KEY: NEE, OR, Fernald, HFIC, BNL, SRS, NTS, Hanford, WIPP, Offsite Comm., Onsite Comm., LANL, West Valley, SGB, Unknown, Inter-site Interface, On-site Interface

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Response Strategy | Media Type | Future Decision Required | Approved Decision | Processing | Disposition
--- | --- | --- | --- | --- | ---

Collection & In Situ Treatment

- In Situ HAZ Soil/Debris: 7,201m³, RCRA, AA, Vapor Extraction & Bioventing, Commercial Disposal
- HAZ Aqueous: 71,293m³, RCRA, AB, Carbon Absorption, Commercial Disposal
- LLW Aqueous: 9m³, AD, TBD, On Site Treatment
- MLLW Aqueous: 3m³, AF, TBD, On Site Treatment

Collection and Treatment

- LLW Debris: 5m³, AC
- MLLW Debris: 10m³, AE
- HAZ Soil/Debris: 2,262m³, RCRA, AG

To Be Decided

Groundwater/Surfacewater: 71,293m³
Media in Place (In Situ): 7,201m³
Waste (Ex-Situ): 2,262m³

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Rev. 3.2
10/21/98

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**Response Strategy**
- Media Type
- Future Decision Required
- Estimated Volume
- Regulatory Process
- Approved Decision
- Estimated Volume

**Processing**
- VOC's Collected on GAC
- Source Area in Situ Destruction

**Disposition**
- Off Site Commercial Disposal

**To Be Decided**
- Groundwater/Surfacewater: 0 m³
- Media in Place (In Situ): 0 m³
- Waste (Ex-Situ): 0 m³

**Approved**
- Soil: 37,000 m³
- Contaminated Soil: 30,000,000 m³
- Contaminated GW: 50,000,000 m³

**NOTE:** Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress.

**KEY:**
- BNL
- Sandia
- SRS
- TES
- Hanford
- WIPP
- Offsite Comm.
- Onsite Comm.
- LANL
- West Valley
- SGR
- Interlab Interface:

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The map shows the following:

- **LLNL-Site 300 ER Baseline Disposition Map**
- **Response Strategy**
- **Media Type**
- **Future Decision Required**
- **Approved Decision**
- **Processing**
- **Disposition**

### Media Type

- **MLLW-Contaminated**
  - Soil-Pit 6, HE Burn Pit, & PR 7 (HE, TCE, D-38, HTO, other contaminants)
  - Estimated Volume: 22,000m³
  - Future Decision Required: To Be Decided
  - Approved Decision: AA

- **HAZ-Contaminated**
  - GW-Pit 6 (TCE)
  - Estimated Volume: 41,000m³
  - Future Decision Required: CERCLA
  - Approved Decision: AD

- **HAZ-Contaminated**
  - GW-B834, B832, B815, GSA, & B854 (TCE) (Pump & Treat)
  - Estimated Volume: 600,000m³
  - Future Decision Required: CERCLA
  - Approved Decision: AB

- **HAZ-Contaminated**
  - GW-B834, B832, B815, GSA, & B854 (TCE) (In Situ Destruction)
  - Estimated Volume: 30,000m³
  - Future Decision Required: CERCLA
  - Approved Decision: AC

- **LLW-Contaminated**
  - GW-B850/Pits 3 & 5 (HTO)
  - Estimated Volume: 2,132,000m³
  - Future Decision Required: CERCLA
  - Approved Decision: AR

- **HAZ-Contaminated**
  - GW-HE Burn Pit, B833, B801, HE Lagoons, & ATA (HE)
  - Estimated Volume: 1,080,000m³
  - Future Decision Required: CERCLA
  - Approved Decision: AF

### Processing

- **Pump & Treat (Air Stripping/TCE Collect on GAC)**

### Disposition

- **Off Site Commercial Disposal**

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PREDECISIONAL DRAFT

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Stanford Linear Accelerator Center ER Baseline Disposition Map

**PREDECISIONAL DRAFT**
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<table>
<thead>
<tr>
<th>Response Strategy</th>
<th>Media Type</th>
<th>Future Decision Required</th>
<th>Approved Decision</th>
<th>Processing</th>
<th>Disposition</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Estimated Volume</td>
<td>Regulatory Process</td>
<td>Estimated Volume</td>
<td></td>
</tr>
</tbody>
</table>

- **HAZ-Soil (PCB's), Lower Salvage Yard, Master Substation**
  - Media Type: HAZ-Soil
  - Future Decision Required: 160 m³
  - Approved Decision: 45 m³
  - Processing: AA
  - Disposition: Off Site Commercial Disposal

- **HAZ-Soil (VOC's), Lower Salvage Yard, Master Substation**
  - Future Decision Required: 270 m³
  - Approved Decision: 430 m³
  - Processing: AC

- **Contaminated GW (below HAZ), FSUST, FWUSA, TL/CL, & Plating Shop**
  - Future Decision Required: 198,000 m³
  - Approved Decision: 180,000 m³
  - Processing: Pump and Treat (Carbon Regeneration/Recycling)

- **HAZ-Contaminated Soil, FSUST**
  - Future Decision Required: 3,000 m³
  - Approved Decision: 85 m³
  - Processing: Access/Institutional Control

**NOTE:** Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress.

- Groundwater/Surfacewater: 198,000 m³
- Media in Place (In Situ): 3,000 m³
- Waste (Ex-Situ): 430 m³

Key:
- Blue: On Site Interface
- Red: Off Site Interface

Alpha-numeric code in blue is the site stream link identifier (used to link the map to the data)

Rev. 3.2
10/21/98
Battelle Columbus ER Baseline Disposition Map

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To Be Decided
- Groundwater/Surfacewater: 0 m³
- Media in Place (In-Situ): 0 m³
- Waste (Ex-Situ): 0 m³

Approved
- Groundwater/Surfacewater: 12,520 m³

NOTE: Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress.

Future Decision Required
- Estimated Volume
- Regulatory Process
- Estimated Volume

Approved Decision
- Estimated Volume
- Processing
- Estimated Volume

Disposition
- Commercial Disposal
- Commercial or DOE
- Offsite Storage
- Hanford Disposal

NOTE: The 738 m³ of transuranic waste will be shipped to WIPP from the TBD Offsite Storage location.

Key: INEL, OR, Fernald, EPES, SNL, SRS, NTB, Hanford, WIPP, Offsite Comm., Onsite Comm., LANL, West Valley, BGS, Unknown, Interface, Loss Interface

Alpha-numeric code in blue is the site stream link identifier (used to link the map to the data)

Rev. 3.2 10/21/98
This map is conceptual and in many cases does not represent cleanup or transfer decisions; this map does not preclude the ongoing regulatory and stakeholder decision-making processes.  

NOTE: Volumes are estimates only (based on March 1996 Paths to Closure data) and they will change as cleanup activities progress.  
* Under Construction
This map is conceptual and in many cases does not represent cleanup or transfer decisions; this map does not preclude the ongoing regulatory and stakeholder decision-making processes.

Collection and Treatment

- LLW-Nuclear Mat's Enriched
- LLW-Silo 1&2 Residues
- LLW-Silo 3 Residues
- MLLW-Thorium Residues
- LLW-Contaminated Wastewaters
- MLLW-Contaminated Soil/Residues (Characteristic)
- MLLW-Contaminated Debris (Characteristic)
- MLLW-Contaminated Sludge (Characteristic)
- MLLW-Lead Bricks
- LLW-Contaminated Sludge
- MLLW-Contaminated Liquids
- MLLW-PCB Contaminated Sludge
- MLLW-PCB & E-listed Contaminated Soils
- MLLW-Contaminated Debris TSAA
- MLLW-Satellite Accum. Area Waste

To Be Decided

- Groundwater/Surface Water
- Media In Place (In Silo)
- Waste (Ex-Silo)

Response Strategy

Media Type

Estimated Volume

Processing

Future Decision Required

Disposal

Approved Decision

Regulatory Process

Approved

Processing

Volume

Discharge

90,163 m³

NOTES:
1. Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress.
2. Includes sites.

Revision: 3.2
Date: 10/21/98
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Notes:

**LLW-Contaminated Soil**
- LLW-1a: 44,921 m³
- LLW-1c: 19,256 m³
- LLW-2a: 64,171 m³
- LLW-2c: 64,171 m³
- LLW-2e: 64,171 m³
- LLW-4: 3,410 m³

**LLW-Contaminated Rubble/Debris**
- LLW-2a: 64,171 m³
- LLW-2c: 64,171 m³
- LLW-2e: 64,171 m³
- LLW-4: 3,410 m³

**HAZ**
- HAZ-1: 2,335 m³

**SAN-Soil/Sediment/Rubble/Debris**
- SAN-1: 40,271 m³

* Estimates for waste streams LLW-5a and 5b have not been determined.

NOTE: Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress.
This map is conceptual and in many cases does not represent cleanup or transfer decisions; this map does not preclude the ongoing regulatory and stakeholder decision-making processes.

### Response Strategy
- LLW-Soil
  - 1,106m³
  - AB-C
- LLW-Rubble/Debris
  - 9,560m³
  - AB-F
- RA8B
  - 16m³
  - AB-G
- LLW-Sludge-Residue
  - 50m³
  - AB-H

### Collection and Direct Disposal
- LLW-Sludge-Residue
  - 21,022m³
  - AB-A
  - 2.62m³
  - On Site Soil Wash
  - 1.57m³
  - Shredding
  - 0.065m³
  - Disposal

### Collection and Treatment
- LLW-Sludge/Soil
  - 175m³
  - AB-K
  - 0.370m³
  - Vapor Stripping

### In Situ Treatment
- MLLW-Liquid/Soil
  - 3.670m³
  - AB-J

### Processing
- To Be Decided
  - Groundwater/Surface Water: 0m³
  - Media in Place (In Situ): 0m³
  - Waste (Ex-Situ): 0m³

### Disposition
- Commercial Disposal

### Media Type
- LLW-Sludge-Residue
- LLW-Sludge/Soil
- LLW-Rubble/Debris

### Future Decision Required
- Estimated Volume
- Regulatory Process

### Approved Decision
- Estimated Volume

### Processing
- On Site Soil Wash
- Shredding
- Disposal

### Disposition
- Commercial Disposal

**NOTE:** Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress.

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NOTE: Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress.

Alpha-numeric code in blue is the site stream link identifier (used to link the map to the data).
PREDECISIONAL DRAFT
This map is conceptual and in many cases does not represent cleanup or transfer decisions; this map does not preclude the ongoing regulatory and stakeholder decision-making process.

Rocky Flats ER Baseline Disposition Map

Response Strategy

Media Type

Future Decision Required

Regulatory Process

Approved Decision

Processing

Disposition

Debris

Groundwater

Salt

HAZ, LLW, MLLW, TRANMETAL & UNCONT From D&D

Estimated Volume

460m³

300,000m³

197,557m³

294,688m³

CERCLICRA

CERCLICRA

CERCLICRA

CERCLICRA

Regulatory Process

460m³

300,000m³

197,557m³

294,688m³

40m³

21.525m³

15.300m³

14.200m³

11.300m³

Approved

ER-01

ER-02

ER-03

ER-04

ER-01A

ER-01B

ER-02B

ER-02A

ER-03A

ER-03B

ER-03A

ER-03A

ER-03A

ER-03A

ER-03A

ER-03A

ER-04A

ER-04B

ER-04C

ER-04D

ER-04E

ER-04F

230m³ Hand off to RFETS LLW

230m³ Hand off to RFETS MLLW

Commercial Non-Rad HAZ Disposal

300,000m³ Clean Discharge

12,452m³ Hand off to RFETS MLLW

1,191m³ Hand off to RFETS TRU

48,100m³ Hand off to RFETS MLLW

Commercial Non-Rad HAZ Disposal

Commercial Contaminated Disposal

On Site Placement

On Site Placement

Commercial Contaminated Disposal

To Be Decided

Groundwater/Surfacewater: 300,000m³

Medias in Place (In Situ): 492,705m³

Waste (Ex-Situ): 0m³

Approved

0m³

0m³

266m³

NOTE: Volumes are estimates only (based on March 1998 Path to Closure data) and they will change as cleanup activities progress.

7-26
17-1
Revised 3.2
10/21/98

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**Response Strategy**

**Media Type**

Future Decision Required

Approved Decision

**Processing**

**Disposition**

- 42,362m³ LLW Soil, Debris
  - RACERCLA
  - 1,662m³
  - 58,362m³ Hand off to SRS LLW Program (LAH)
- 939m³ LLW Vegetation
  - RACERCLA
  - 322m³
  - 242m³ Hand off to SRS MLW Program (MAQ)
- 232m³ MLLW Soil/Debris
  - RACERCLA
  - 939m³
  - 322m³
- 32.2m³ HLW Sludge
  - RACERCLA
  - 32.2m³
- 572m³ PCB Soil/Debris
  - RACERCLA
  - 572m³
- 2,131m³ HAZ Soil/Debris
  - RACERCLA
  - 2,131m³
- 0.4m³ RAD PCB Debris
  - RACERCLA
  - 0.4m³
- 7.6m³ MLLW Solvents
  - RACERCLA
  - 7.6m³
- 10,768m³ LLW Ground Water
  - RACERCLA
  - 10,768m³
- 40,558,973m³ HAZ Ground Water
  - RACERCLA
  - 40,558,973m³
- 5,603,171m³ HAZ Ground Water
  - RACERCLA
  - 5,603,171m³
- 585m³ LLW Ground Water
  - RACERCLA
  - 585m³
- 26,117m³ HAZ Soils/Debris
  - RACERCLA
  - 26,117m³
- 81m³ HAZ Liquids
  - RACERCLA
  - 81m³
- 2m³ LLW Liquids
  - RACERCLA
  - 2m³

**NOTES:**

- Volumes are estimates only (based on March 1998 Paths to Closure data) and will change as cleanup activities progress.
- EFT = Effluent Treatment Facility

**KEY:**

- INEEL
- ORNL
- Fernald
- FETP
- SNL
- SRS
- NTS
- Hanford
- WIPP
- Offsite Comm.
- Onsite Comm.
- LANL
- West Valley
- NGS
- Unknown
- Alpha-numeric code in blue is the site stream link identifier (used to link the map to the data)
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NOTE: Volumes are estimates only (based on March 1998 Paths to Closure data) and they will change as cleanup activities progress.

Note: Volume handed off may not match because of packaging efficiencies. In Situ Remediation will require institutional control & monitoring as specified in the post-ROD documentation.