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# *Advanced Mixed Waste Treatment Project Offsite Waste 101*

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***EM*** *Environmental Management*

# *Processing Offsite TRU Waste*

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- *March 2008 Amendment to the Record of Decision (ROD) for the Waste Management (WM) Programmatic Environmental Impact Statement (PEIS) authorizes receipt and processing of offsite TRU waste*
- *Under the ROD, TRU waste could be sent to INL for characterization and/or treatment – the same characterization and treatment currently being performed for site waste*



# Processing of Offsite TRU Waste



○ Transuranic waste generator small quantity sites

□ Transuranic waste generator large quantity sites



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# *Processing Offsite TRU Waste*

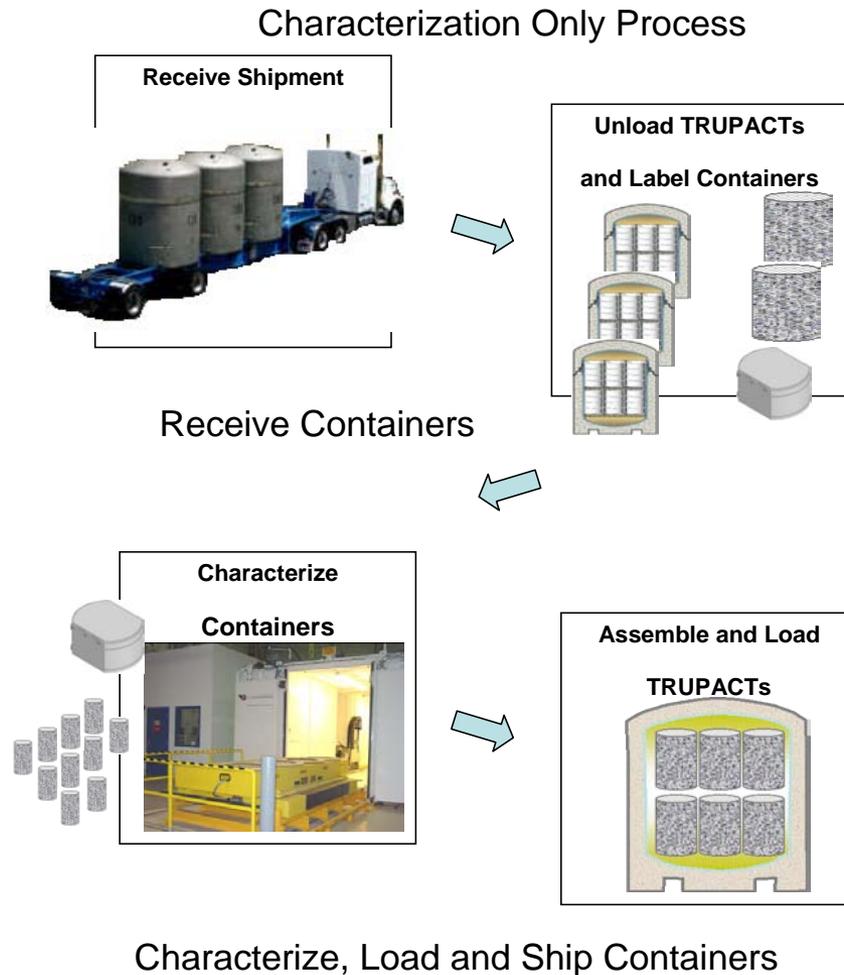
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- *Waste is only be accepted at INL if it meets Waste Acceptance Criteria*
- *Generator sites must pay for processing beyond AMWTP capacity - priority will be given to small quantity sites*
- *DOE must comply with Site Treatment Plan & Settlement Agreement*
  - *Waste must be approved by the state prior to receipt at the INL*
  - *Waste must be characterized or treated within 6 months of arrival*
  - *Waste must be shipped out of Idaho within 6 months of characterization or treatment*

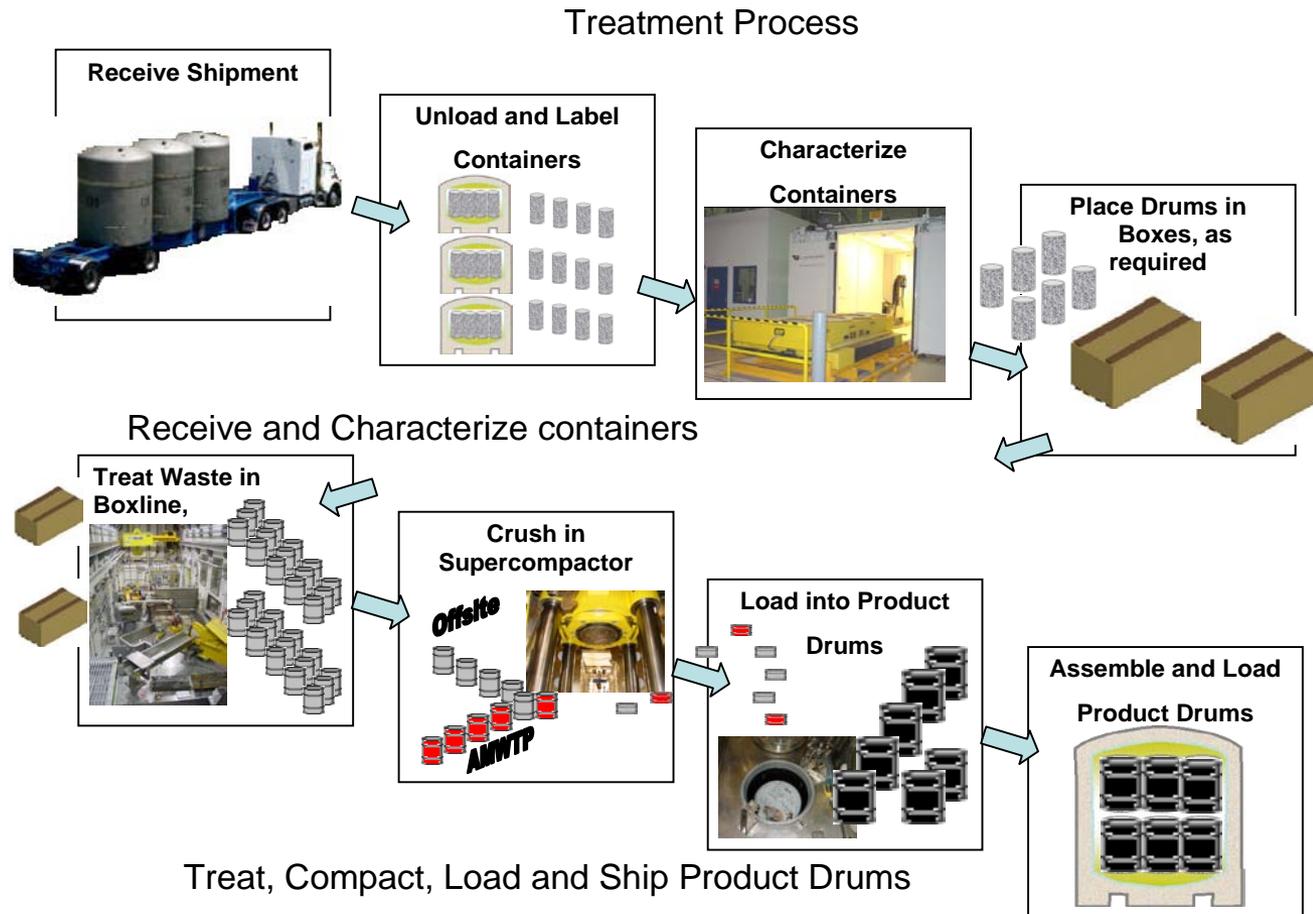


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# Management of debris and non-debris waste received for characterization and direct shipment to WIPP.



# Management of debris waste received for treatment



# *Benefits of Processing Offsite TRU Waste*

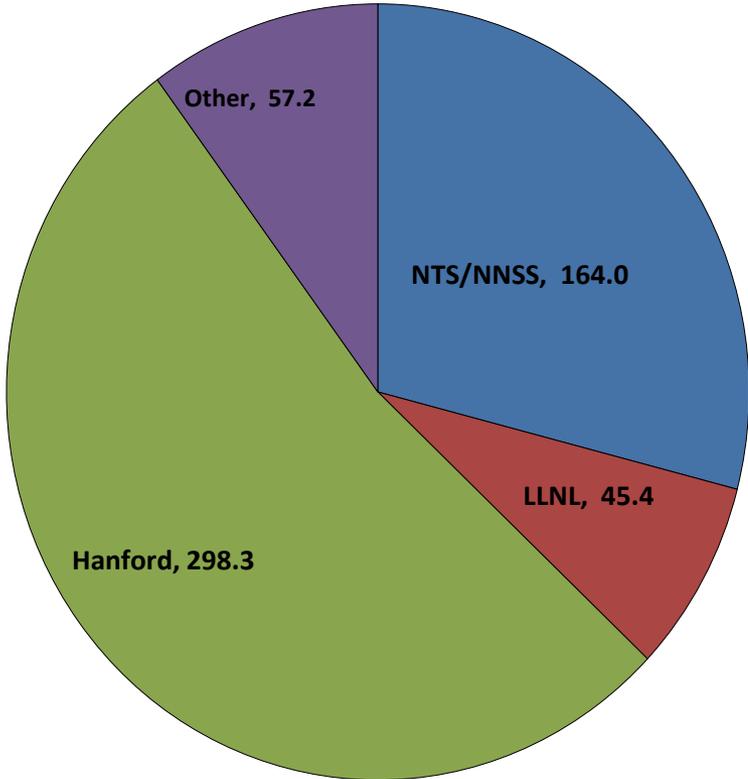
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- *Allows AMWTP to be recognized as a national DOE asset*
- *Assists generator sites in meeting regulatory commitments*
- *Reduces risk to worker safety and the environment at generator sites*
- *Enables better utilization of Waste Isolation Pilot Plant (WIPP) capacity due to volume reduction of waste*
- *Provides service to DOE Complex at low cost per m<sup>3</sup>*



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# Offsite Waste Processing



Volume of Off-Site Waste (m³)



Inspecting shipment received from G.E. Vallecitos Nuclear Center, CA



Processing Hanford waste



Lawrence Livermore National Laboratory waste

565 m³



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