TRU Waste Workoff Planning

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Near-Term TRU Shipping

Monthly Shipments

Cumulative Shipments


Monthly  Cumulative
Required Characterization Activities

- Radiography (Visual Examination QC)
- Radioassay
- Headspace Gas Analysis
- Compilation of Process Knowledge
- Over Wattage Containers:
  - Hydrogen Gas Generation Rate Measurements
  - Repackaging
- Homogeneous Drums
  - Coring
  - VOC/SVOC Analysis
  - RCRA Metals Analysis
TRU Waste Input Drum Distribution

- Total Drum Inventory
- Number within Wattage Limit
- Number Exceeding Wattage Limit
- Output Containers Suitable for H2 Repack
- Output Containers Remaining Repack
- Output Containers Following H2 Gen

Legend:
- Debris SWBs
- Debris Drums
- Homogeneous Drums
TRU Waste Wattage-Driven Volume Expansion

- Debris SWBs
- Debris Drums
- Homogeneous Drums

Input Volume Exceeding Wattage Limit
Repack-Only Output Volume
Repack with H2 Gen Output Volume
Characterization Cost Breakdown

- NDA
- NDE
- HGAS
- H2GEN
- VE
- Remove Prohibited
- VOC/SVOC
- RCRA Metals
- Coring
- Payload Assembly
- Drum Movements
- Volume Expansion
- Data Review
- Facility
- Non Facility Fixed
Characterization Costs

Non Facility Fixed
Facility
Data Review
Volume Expansion
Drum Movements
Payload Assembly
Coring
RCRA Metals
VOC/SVOC
Remove Prohibited
VE
H2GEN
HGAS
NDE
NDA
Yearly TRU Waste Shipments
with Controled Shipment Growth

Annual Shipments of Newly Generated
Annual Shipments for No Volume Expansion Waste Streams
Annual Shipments for Volume Expansion Waste Streams
Annual Input Volume Characterized
Annual Expanded Output Volume Available to Ship
Proposed Work at TA-54, Fire Rehabilitation Funding

• Overpack radioactive solid waste (RSW) stored in combustible containers
• Add fire-resistant surfaces (e.g. asphalt) around existing RSW storage domes
• Replace existing fabric on TA-54 storage domes with 1-hour fire-rated fabric
• Upgrade drum vents on some RSW drums
Proposed Fire Rehabilitation Work, continued

- Extend Decontamination and Volume Reduction System (DVRS) operations to multiple shifts
- TRU Waste Re-characterization