

Transuranic Waste Program Update

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Completing SRS Legacy Waste Disposition





Accelerated TRU Project Goals

- Complete remediation and certification of 4954 m3 of legacy waste
- Provide strategy for remaining 200 m3
- Maximize waste shipped to WIPP or disposed as LLW/MLLW
- Have less then 200 m3 of remaining TRU at the end of the project (includes newly generated and any non remediated legacy)

Completing SRS Legacy Waste Disposition

Overall SRS Acceleration Strategy

- Capitalize on existing facilities and skilled work force
 - H-Canyon
 - **F-Canyon**
 - E-Area Cell 11
 - E Area Infrastructure
- Phase safety basis revisions to support early starts
- Package large equipment in Standard Large Boxes to reduce size reduction efforts
- Implement new TRUPACT-III for shipments to WIPP









Project Stats

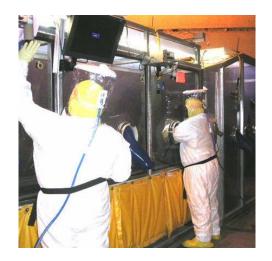


- \$400 M ARRA funded project that currently employees 400 people
 - 40% Staff Augmentation/Contracts
- Accelerates legacy waste disposition by 10 to 12 years



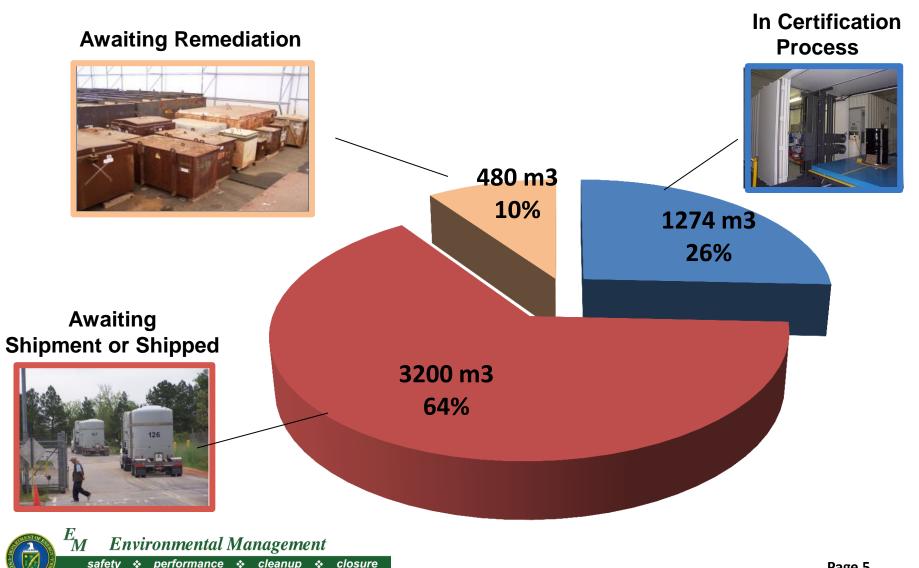






Progress To Date – Cubic Meters





Remediation Highlights on 4954 m3



Remediation activities tracking slightly ahead of schedule

- Safety performance has remained strong past two years
- Process improvements implemented
- Site expertise addressing remaining challenges (higher PEC waste, miscellaneous robust containers, higher dose rates)









Remediation Highlights on 4954 m3



E-Area legacy waste mining activities nearing completion

- Pad 1 Cleared
- 95% complete on emptying culverts
- Pre screening activities nearing completion
 - Fast RTR, Fast NDA, venting, head space gas sampling, dewatering



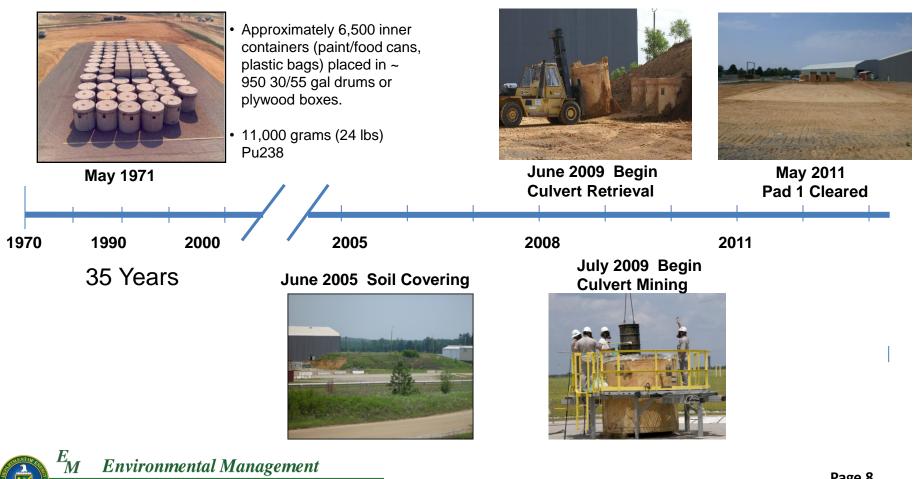




Pad 1 Cleared Highlights



Legacy Mound and Los Alamos National Lab waste with 180,000 PEC



safety

Remediation Highlights for 4954 m3





H-Canyon

Scope includes very large boxes, higher PEC containers

- 90% Complete
- In final phase with highest PEC Large Steel Boxes





Container	Qnty	Complete	To Go	
Large Steel Boxes	35	31	4	
Large Misc Boxes	32	32	0	~
Concrete Culverts/ Boxes	19	19	0	✓
Casks	10	10	0	√

Remediation Highlights for 4954 m3





E-Area Cell 11

Scope includes very low PEC medium and small boxes and miscellaneous containers

- Complete

F-Canyon Box

Scope includes higher PEC medium and small boxes and miscellaneous containers

- 90% complete

Container	Qnty	Complete	To Go	
Medium Steel Boxes	41	33	8	
Small Steel Boxes	11	11	0	\checkmark
Polyboxes	24	24	0	\checkmark
Legacy SLBs, SWBs, misc.	400	340	60	

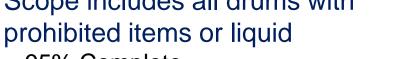


F-Canyon Drumline Scope includes all drums with

Remediation Highlights for 4954 m3

- 95% Complete

Container Type	Qnty	Complete	To Go
Pad 1 Drums	983	951	32
SRS Legacy Drums	247	162	85











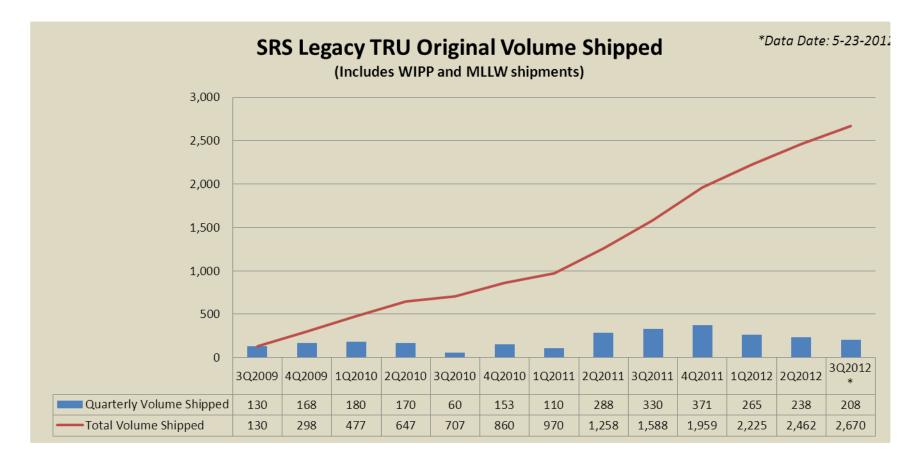
Remediation strategy developed and work plans in place

- Remaining 200 m3 consists of highest activity waste with unique radiological challenges and packaging. Examples include:
 - High Level Cave SRNL waste
 - Canyon equipment
 - Sources
- Uses existing remediation facilities and experienced Radiological Control programs to manage contamination and dose challenges
- Requires only minor safety basis document revisions





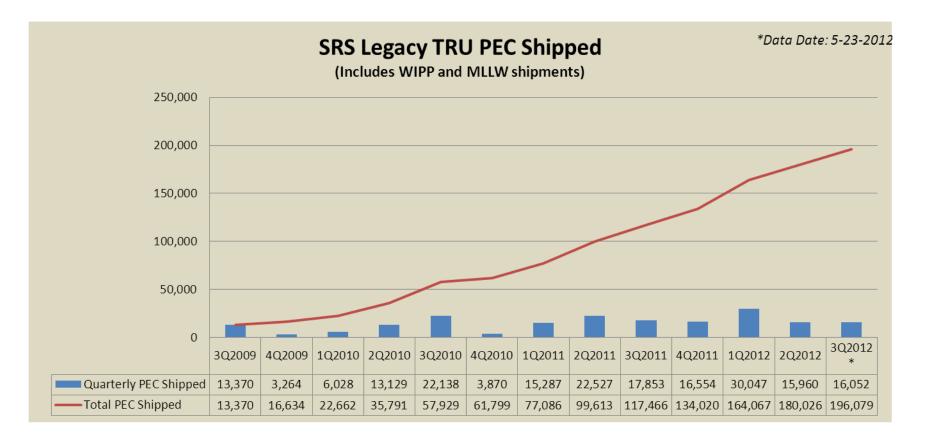
Steady progress in off site shipments







> 50% of Legacy Waste PEC Shipped





Completing SRS Legacy TRU Waste Disposition



- Plans actively working for remaining 200 m3 to be remediated in FY13
- Steady shipments continue to reduce waste volume and PEC from the Site

