



Advanced Mixed Waste Treatment Project

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James Bruno Zovi
Offsite LLW/MLLW Disposition Project Manager
Bechtel BWXT Idaho





AMWTP Mission

- Per Settlement Agreement, retrieve, characterize, treat, package and ship approximately 65,000 cubic meters of transuranic and mixed low-level waste out of Idaho to the Waste Isolation Pilot Plant and other approved locations.
- Project schedule is aligned with court-mandated milestones in the 1995 Governor's Settlement Agreement between the State of Idaho, the U.S. Navy and DOE to remove the waste from Idaho.
 - Settlement Agreement target completion date, Dec. 2015
 - Settlement Agreement compliance completion date, Dec. 2018
 - Approximately 20% will be re-classified as MLLW





Original Waste Placement



Early placement of transuranic waste storage drums and boxes from Rocky Flats



Early storage at Pad R



AMWTP Aerial



AMWTP aerial taken Nov. 11, 2008





Offsite LLW/MLLW Disposition Program

- Received NTS Certification Program approval in Dec. 2006
- Currently utilizing commercial treatment facilities for MLLW Treatment
- Estimated 5,000m³ of newly generated LLW will be disposed of at NTS
- Received NTS approval for Stainless Steel Macroencapsulation Cargo Container for possible future on-site MLLW Treatment



Fully Utilizing NTS MLLW Disposal Cell

- Expediting retrieval and characterization operations
- Implemented in-field fast assay enabling identification and prioritization of MLLW requiring NTS Disposal.
- Of the 3,863m³ of MLLW shipped to commercial TSDFs for treatment since 2005, ~1,400m³ will be disposed at the NTS





Post NTS MLLW Cell Closure

- Implement MLLW box sort and segregation facility
- Large item decontamination at the AMWTP
- Waste repackaging operations, minimizing the population requiring NTS disposal
- Treat, certify and stage MLLW for future disposal at WCS or Hanford, or possible new MLLW cell at NTS?





Current Issues

- The current NTS ban on the approval of new MLLW Waste Profiles has impacted AMWTP MLLW disposition pathway for high activity MLLW (10nCi/g – 100nCi/g)
- Treatment is pending for 187m³ of high activity MLLW is currently stored at a commercial treatment facility.
- AMWTP is holding further shipments of additional certified high activity MLLW until this issue is resolved

