



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
ENVIRONMENTAL
MANAGEMENT

Progress at the Waste Isolation Pilot Plant

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Idaho Cleanup Project

For

Idaho Citizen's Advisory Board

June 23, 2016

WIPP Progress

Path to Resumption of Waste Emplacement

- New Documented Safety Analysis
- Cold Operations
- Management Self Assessment
- Operational Readiness Reviews

Changes to the National TRU Program

- New WIPP Waste Acceptance Criteria (WAC)
- Enhanced National TRU Program Requirements

Documented Safety Analysis (DSA)

Approved April 29, 2016

- Developed under new DOE Standard 3009-2014
- Approximately 120 Safety Management Program procedures created or revised
- Implementation declared complete on May 29



Cold Operations

Cold Operations began June 1, 2016

- WIPP crews are processing and downloading empty waste containers using new DSA Rev. 5 controls
- 8 weeks for workers to practice waste handling procedures
- Regular drills conducted to test safety management procedures



Management Self Assessment

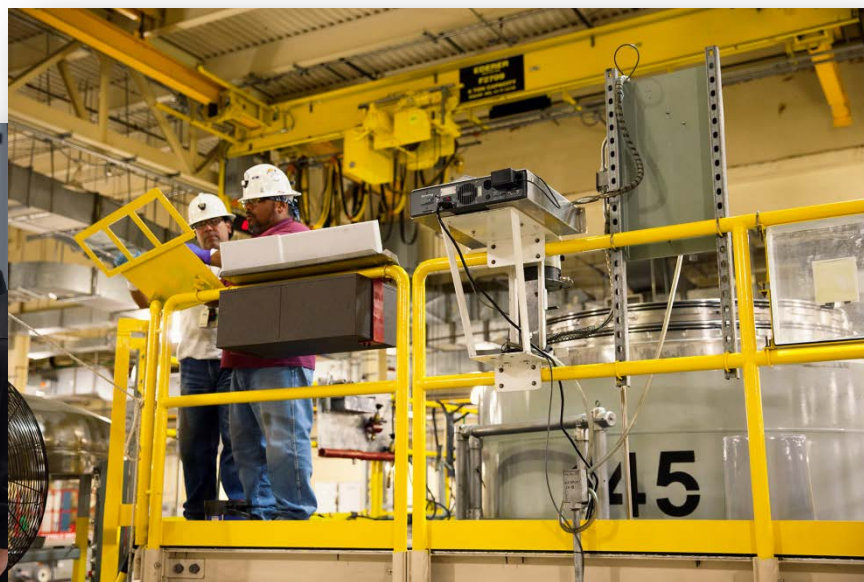
- Internal review contractor conducted by the WIPP M&O contractor Nuclear Waste Partnership (NWP) to confirm operational readiness



Operational Readiness Reviews

Contractor and DOE Operational Readiness Reviews (ORR)

- Performance-based examination of facilities, equipment, personnel and procedures
- Will ensure WIPP will be operated safely – within approved safety envelope



Return to Waste Emplacement Operations



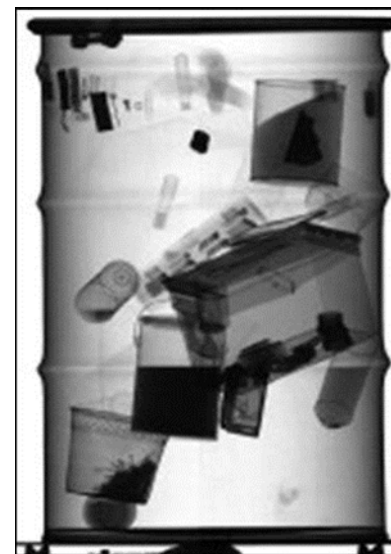
New Waste Acceptance Criteria (WAC)

- Include changes resulting from findings from the Accident Investigation Board (AIB) Phase II report on radiological release
- Incorporate requirements from the recently approved DSA Rev. 5 and chemical compatibility studies



New Requirements –

- **Enhanced Acceptable Knowledge** - detailed re-review of source documentation for potentially incompatible materials and to ensure the adequate information basis
- **Chemical Compatibility Evaluations** – identifying the range of possible chemical combinations that could occur in each waste stream using EPA approved methodology
- **Basis of Knowledge for Oxidizing Chemicals**
 - review waste performance, conditions, and expectations to set bounding conditions for waste containing oxidizing chemicals; and



Generator Site Technical Reviews

- Performed by the CBFO and NWP to ensure waste packaging and treatment activities
- Verification of generator site controls and waste information meets new stringent WIPP WAC compliance



Questions

