



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

Citizens Advisory Board

Integrated Waste Treatment Unit

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January 14, 2015

IWTU Current Status

- Resumed heating up on November 11th to normal operating temperature and pressure to re-introduce steam and begin simulant processing.
- Began simulant feed on December 2, 2014
- DOE Independent Operations Review was conducted December 8th to 11th and reviewed Operations, Engineering and Radiological Controls
- No issues were identified with Engineering and Radiological Controls; one finding and two observations noted for Operations
- Completed simulant feed and Acceptance Criteria for TI-102 (58,000 gallons of simulant run)
- Outage E commenced on January 11, 2015 and will last 6 – 8 weeks






Processing Simulant



Path Forward to Begin Waste Processing

- Define Performance Criteria for initiating radioactive operations
- Implementing recommendations from independent reviews, as appropriate, through the DOE-ID Startup Assurance Plan.
- Complete Outage E modifications and inspection of plant to verify performance of key facility modifications
- Obtain Idaho DEQ Temporary Authorization and approval of System Performance Test Plan
- Commence TI-103 (Radioactive Waste Processing) with simulant and transition to radiological waste feed after approval from DOE Startup Authorization Authority
 - (Actual processing rate will be based upon TI-102 and other simulant processing results)

Dashboard Summary for IWTU Project

Key Questions	Dashboard Indicator	Comments
Impact on budget for activity or cleanup		Project costs have increased because of delays in startup and testing.
Impact on employment or economic development		Project has no negative affect in this area.
Effect on agreements		Settlement Agreement milestone missed. Consent Order milestone extension request sent to DEQ in December 2014.
Impact on safety and environment		This project will process radioactive liquid waste into a solid waste for disposal.
Impact on cleanup DOE-wide		The process used is one-of-a-kind and could have further application DOE wide when successfully proven.

Integrated Waste Treatment Unit Process

