



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

Citizens Advisory Board

Integrated Waste Treatment Unit

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- 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

