



Idaho Cleanup Project (ICP) Update

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Leadership In Nuclear Energy Commission



EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

Idaho Cleanup Project

Actions Since We Last Met

- ✓ Completed wet to dry spent nuclear fuel transfers



Wet to dry completion on March 21, 2023

- ✓ Commenced sodium bearing waste operations at Integrated Waste Treatment Unit (IWTU)



IWTU control room – startup of sodium bearing waste operations on April 11, 2023



Plans for Remainder of 2023

- IWTU sodium bearing waste operations
- Complete D&D of ARPs II, III, & V
- Complete sludge operations in ARP VII
- Initiate the SDA cap construction plan
- Continue Idaho CERCLA Disposal Facility expansion efforts
- Continue waste certification and disposition
- Continue Naval Reactors Facility D&D
- Calcine technology verification



2023 ARP D&D plans



Integrated Waste Treatment Unit

Path to Waste Processing

Completed:

- ✓ Readiness Reviews—verified readiness for radioactive sodium bearing waste processing
- ✓ Completed facility inspections and preparations for radioactive waste processing
- ✓ Operated facility on simulant and completed baseline emissions sampling
- ✓ Received DOE headquarters authorization to begin radioactive waste processing
- ✓ **Began processing sodium-bearing waste on April 11, 2023**
 - 90% simulant / 10% waste

Remaining:

- ❑ Continue processing sodium-bearing waste
 - Ramp up to 100% sodium bearing waste
 - Complete System Performance Test
 - Routine waste treatment operations



EM leadership at IWTU on March 28, 2023



Upcoming Events

- Demolitions of ARPs II, III, and V
- Completion of sludge waste processing in ARP VII
- Completion of 100 canisters at IWTU

