



Idaho Cleanup Project Update

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Idaho Cleanup Project

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Leadership In Nuclear Energy Commission

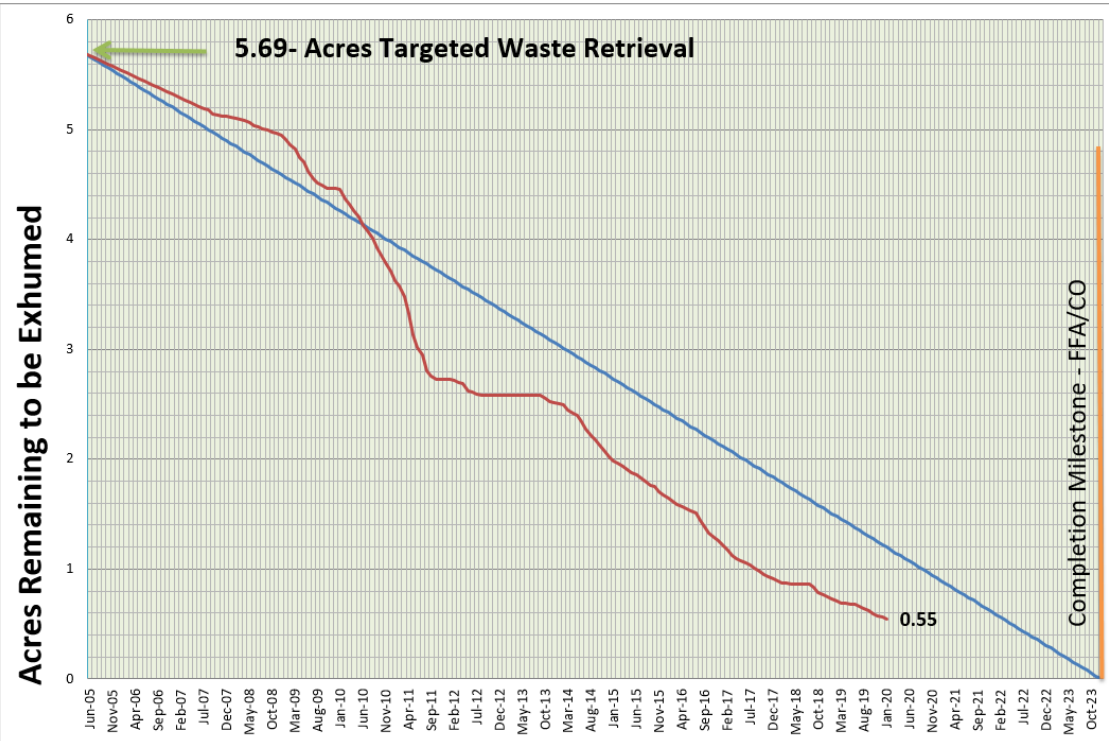


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Progress in Cleanup: Buried Waste



Buried waste exhumation remains ahead of the regulatory schedule and is more than 90% complete overall. Exhumation operations began in ARP IX (final exhumation enclosure) during April 2019.



2020



2028

Artist's rendition of the Radioactive Waste Management Complex (RWMC) after the facility is closed and Subsurface Disposal Area cover is constructed



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Progress in Cleanup: Transuranic Waste



Sludge waste in the ARP VII sorting table awaiting treatment



Contact-handled TRU waste in storage awaiting shipment to WIPP



CH TRU waste being loaded into a TRUPACT II for shipment to WIPP

- Treatment of ISA debris waste completed in 2019
- Completed 6,408 total shipments from Idaho to WIPP; over 75% of WIPP shipments in 2019 were from Idaho
- Continue to ship mixed low-level waste offsite for disposal
- Beginning closure activities on various facilities
- Initiated treatment of sludge waste in ARP VII facility

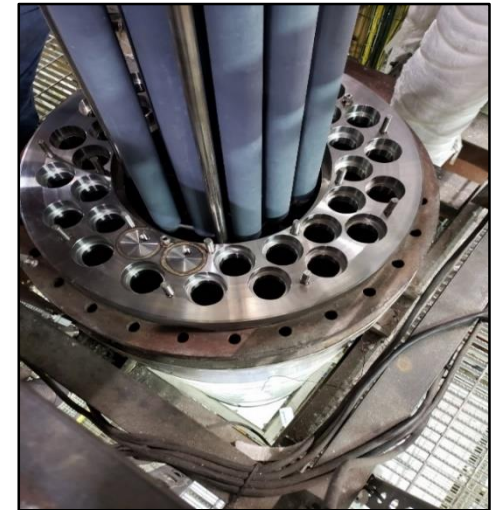


Progress in Cleanup: Integrated Waste Treatment Unit

- Sustained simulated waste operations for 50 days -- processing over 63,000 gallons of simulant and completed all test conditions
- Currently in extended outage (Outage J)
- Ceramic filters selected
- Contract scope definitized; schedule established
- Confirmatory run to verify mods and conduct contractor readiness assessment
- Final steps to radiological operations
- Final stages of commissioning; working to initiate operations by the end of this year



ASME conditioning tank hanging in the 4-Pack



IWTU style filter bundle being inserted into Hazen's "Hot PGF" tube sheet



Progress in Cleanup: Spent Nuclear Fuel

- On track to move all spent fuel to dry storage per 2023 commitment
- Move Experimental Breeder Reactor-II spent fuel from underwater storage basins to dry storage at the Materials and Fuels Complex
- Will begin efforts to address risk associated with water intrusion issues at CPP-749



SNF wet storage at CPP-666



Dry storage at CPP-749



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Summary

- AMWTP debris waste treatment was completed in 2019; celebration was enjoyed by many
- DOE remains committed to IWTU operations later this year
- Transuranic waste continues steady progress
- Buried waste exhumation should be complete next year
- Strong engagement between DOE and the State of Idaho supports significant cleanup progress

