



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

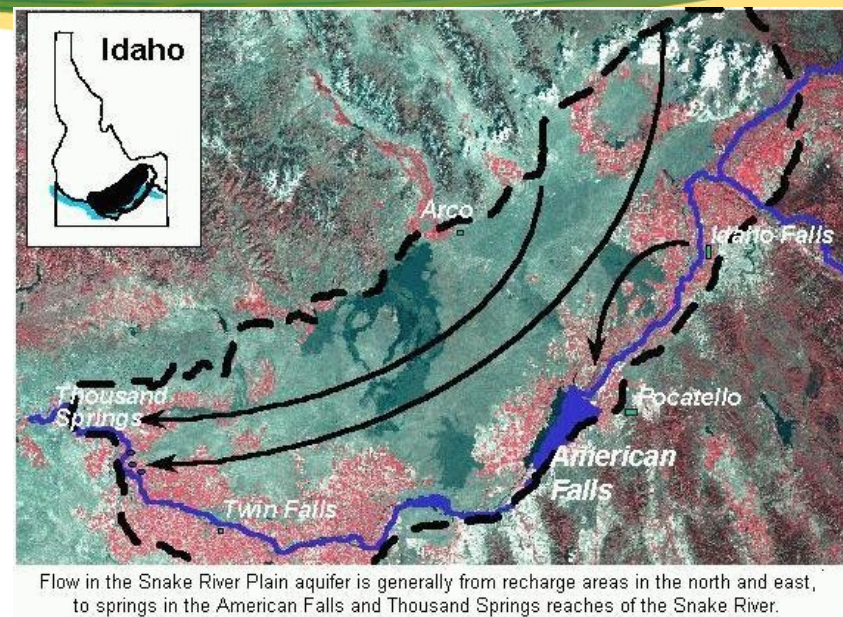
Idaho FY 2021 EM Budget Priorities

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February 21, 2019

DOE Idaho's Overarching Priority: Protect Snake River Plain Aquifer

- Solidify liquid waste stored over the aquifer
- Remove all stored transuranic waste from above the aquifer
- Remove targeted buried waste and cap Subsurface Disposal Area
- Remove all stored spent nuclear fuel from wet to dry storage
- Manage high-level waste and spent nuclear fuel for eventual disposal



5-Year Focus (2019-2024)

- Complete exhumation of all targeted buried waste and Phase 1 report. Complete associated treatment and certification of this waste.
- Complete Integrated Waste Treatment Unit system recovery and begin treatment of 900,000 gallons of sodium bearing waste.
- Complete certification of all Idaho Settlement Agreement transuranic waste, and ship to WIPP according to WIPP shipping schedule.
- Complete RCRA closure and D&D of the Advanced Mixed Waste Treatment Facility.
- Complete transfer of all spent nuclear fuel elements from wet to dry storage.
- Complete the transfer of Experimental Breeder Reactor-II spent nuclear fuel bottles to either MFC for treatment by INL contractor, or placement in dry storage.
- Complete D&D of the ARPs and construct the Subsurface Disposal Area cap.

Contact-Handled (CH) Transuranic (TRU) Waste

- Continue certification and shipping Idaho Settlement Agreement CH TRU out of Idaho, according to WIPP shipping schedule

Remote-Handled (RH) TRU Waste

- Continue RH waste certification

Subsurface Disposal Area

- Begin decontamination and dismantlement of the Accelerated Retrieval Project (ARP) facilities in preparation for the construction of the cap



CH waste awaiting shipment to WIPP



Accelerated Retrieval Project Enclosure 9

FY 2021 High-Level Priorities (continued)

Liquid Waste

- Continue treatment of 900,000 gallons of sodium-bearing waste in the IWTU

Spent Nuclear Fuel

- Continue transfer of Experimental Breeder Reactor-II spent nuclear fuel to dry storage

Calcine Retrieval

- Continue activities associated with calcine retrieval demonstration



Integrated Waste Treatment Unit (IWTU)



Mock-up of the Calcine Retrieval Project