



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

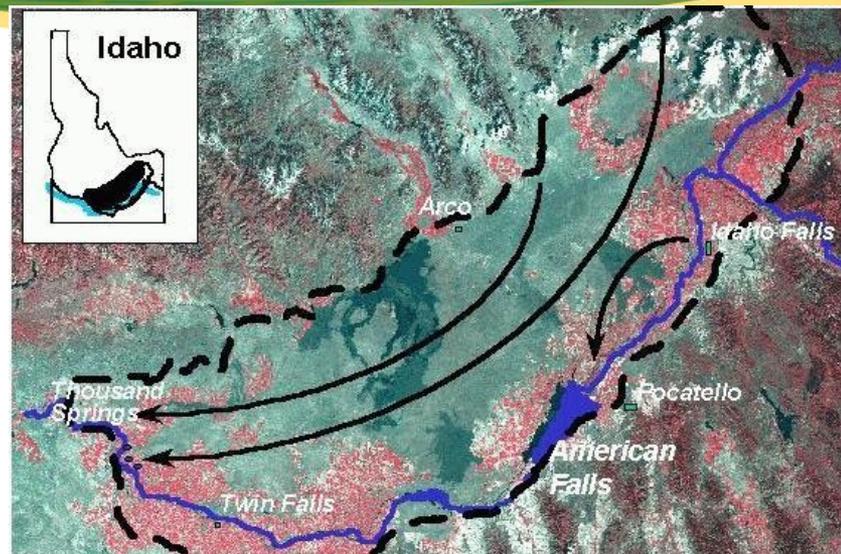
Idaho FY 2021 EM Budget Priorities

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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



Flow in the Snake River Plain aquifer is generally from recharge areas in the north and east, to springs in the American Falls and Thousand Springs reaches of the Snake River.

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

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