

United States Naval Nuclear Propulsion Program



Idaho Facilities Past, Present, Future – The Naval Reactors Perspective

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Arco Naval Proving Ground



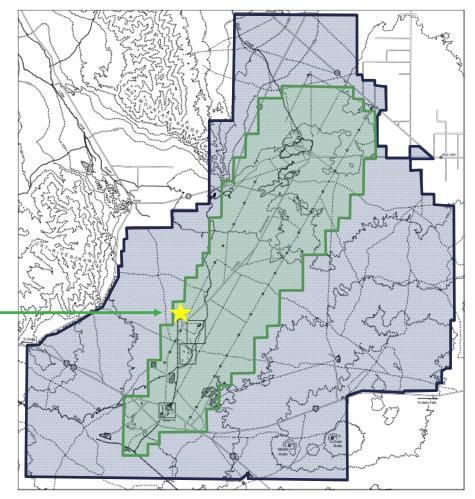




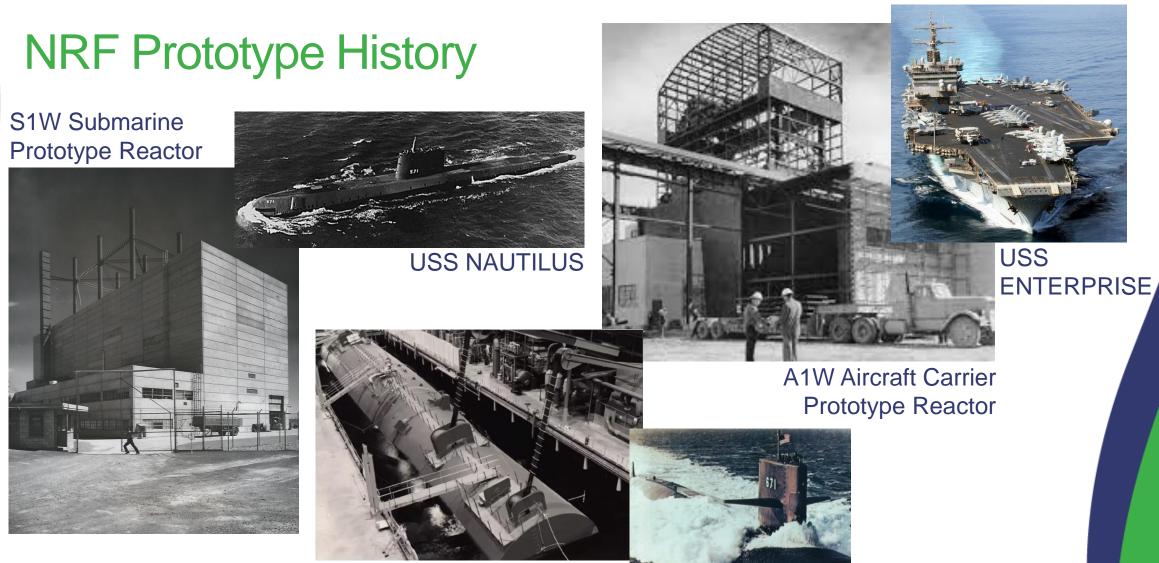
Naval Nuclear Propulsion Program

National Reactor Testing Station

- 1943 Arco Naval Proving Ground
 - ~271 square miles
- 1948 Atomic Energy Commission contracts Westinghouse to design, build, operate, and test the first prototype naval nuclear propulsion plant
- 1949 Atomic Energy Commission selects the Arco NPG and expands it as the National Reactor Testing Station
 - ~890 square miles (current size)
- 1950 Construction of the prototype and training reactor (S1W) begins





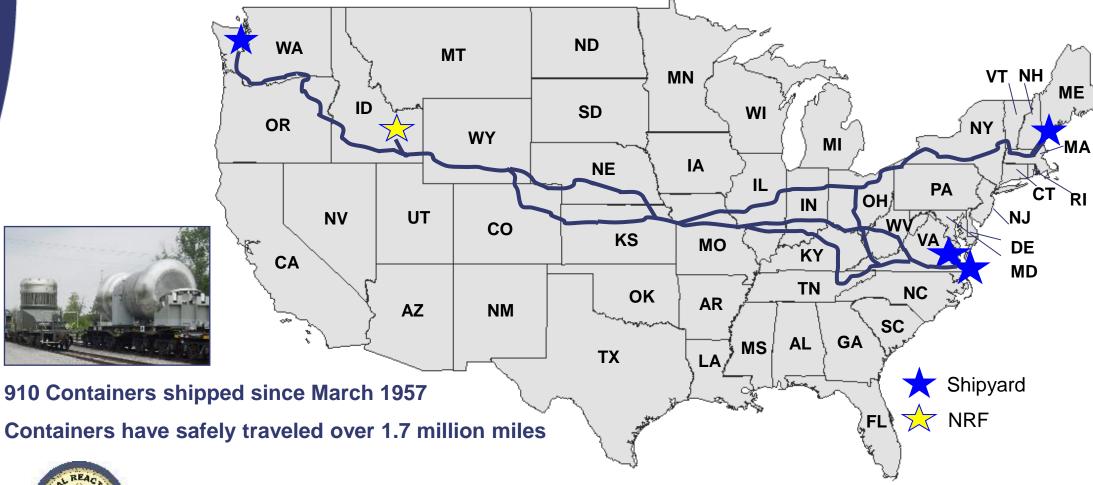




Naval Nuclear Propulsion Program S5G Submarine Prototype Reactor

USS NARWHAL

NRF Fleet Support History









Naval Nuclear Propulsion Program Spent Fuel Packaging Facility

NRF Moving Forward

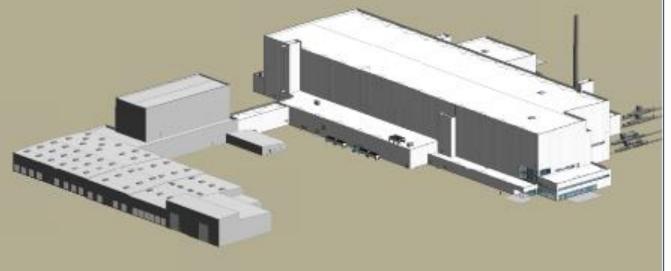
Recapitalization of Fuel Processing in the Expended Core Facility (NSFH)

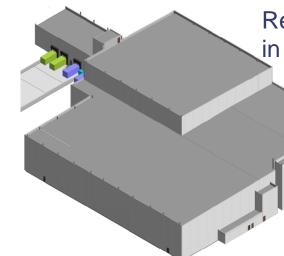
Decontamination and Decommissioning of Reactor Prototypes





Naval Nuclear Propulsion Program



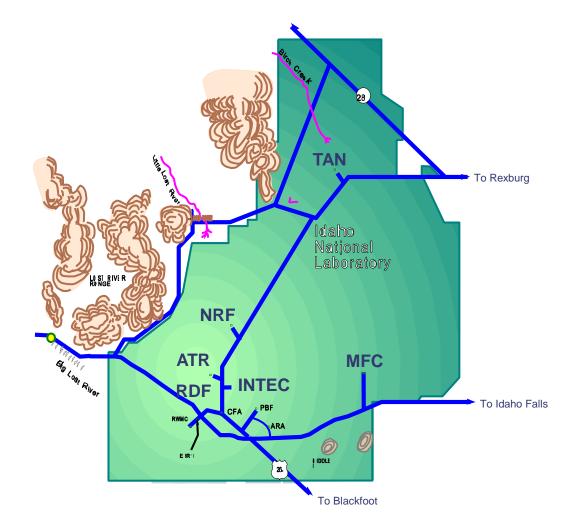


Recapitalization of Examinations in the Expended Core Facility (NEAP)

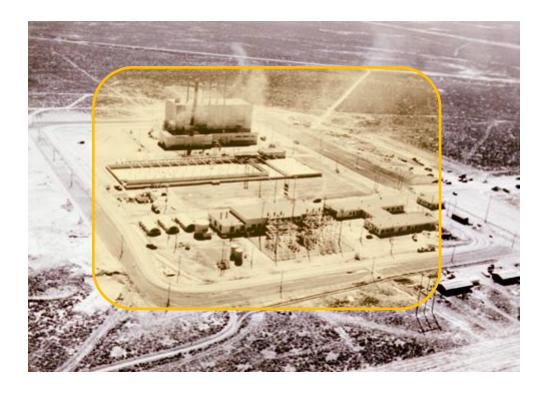
NRF Teaming with INL DOE Facilities

- NRF & NSFH (Navy & DOE)
 - About \$900 million
- INL DOE
 - ATR Irradiated Materials
 - MFC Material Testing
 - INTEC S1W Core Car
 - RDF Waste
 - About \$150 million
- Onsite D&D
 - IEC Prototype D&D
 - About \$65 million





NRF Then and Now







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