

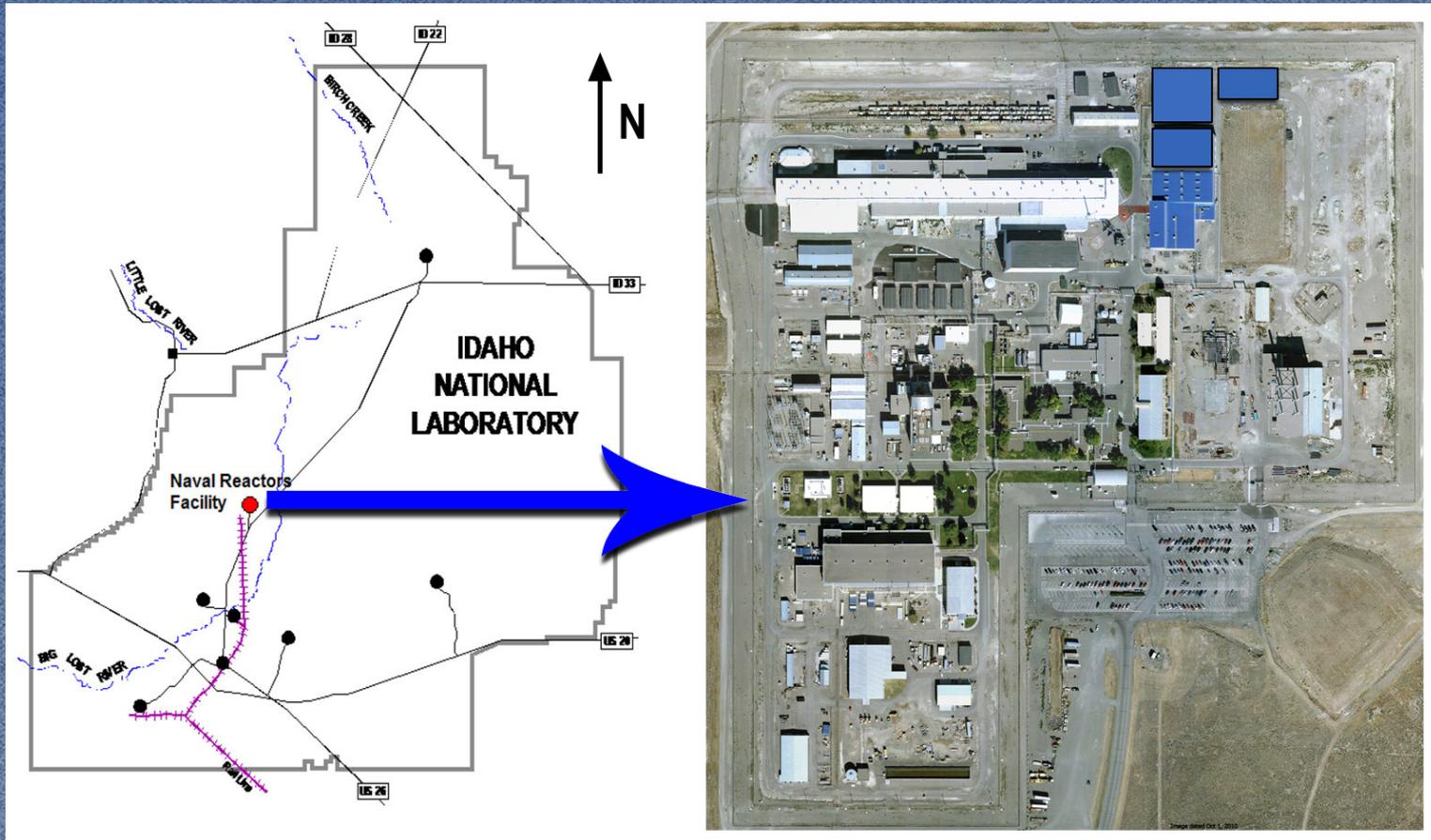


**Recapitalization of Infrastructure Supporting  
Naval Spent Nuclear Fuel Handling  
at the Idaho National Laboratory**

**DOE/EIS-0453D**

**JUNE 2015**

# Expended Core Facility



# Proposed Action



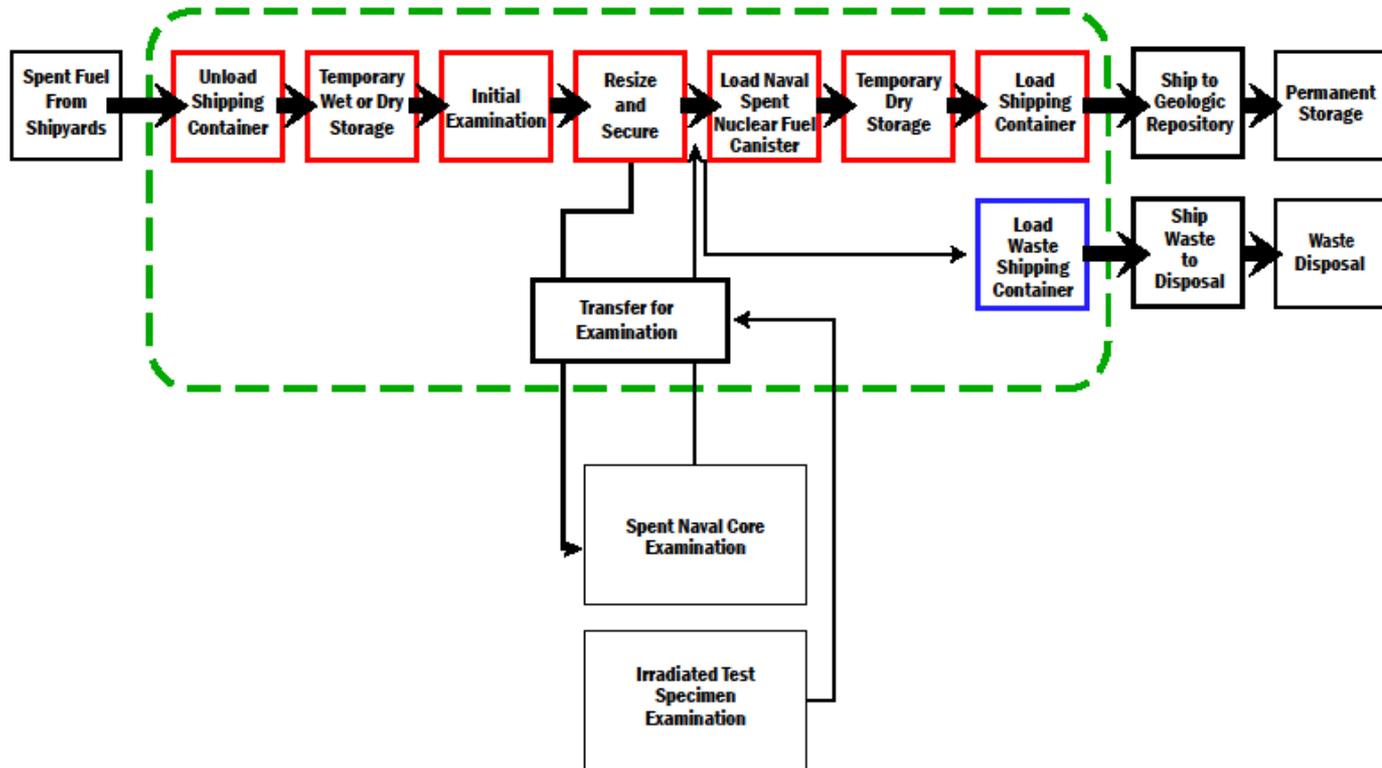
- **Purpose**

- Provide the infrastructure necessary to support the naval nuclear reactor defueling and refueling schedules required to meet the operational needs of the U.S. Navy.

- **Need**

- Significant upgrades are necessary to the ECF infrastructure to continue safe and environmentally responsible naval spent nuclear fuel handling for at least the next 40 years.

# ECF Naval Spent Nuclear Fuel Capabilities



## Legend

**Green** - Capabilities Included in the Scope of the EIS

**Red** - Processing Naval Spent Nuclear Fuel for Temporary Dry Storage and Ultimate Disposal

**Blue** - Regulated Waste Management

# Draft EIS Alternatives



- Three alternatives were analyzed in the Draft EIS:
  - No Action Alternative - Maintain the naval spent nuclear fuel handling capabilities of ECF by continuing to use the current ECF infrastructure while performing only preventative and corrective maintenance.
  - Overhaul Alternative - Recapitalize the naval spent nuclear fuel handling capabilities of ECF by overhauling ECF with major refurbishment projects for the ECF infrastructure and water pools to keep the infrastructure and water pools in a safe working order and to provide the needed long-term capabilities of transferring, preparing, and packaging naval spent nuclear fuel.
  - New Facility Alternative (preferred) - Recapitalize the naval spent nuclear fuel handling capabilities of ECF by constructing and operating a new facility at one of two potential locations at NRF.

# Impacts



- There are no impacts associated with any of the alternatives, or the impacts are negligible or small with the exception of impacts to:
  - Naval spent nuclear fuel handling
    - No Action Alternative
    - Overhaul Alternative
  - Seismic hazards to ECF without refurbishments
    - No Action Alternative
    - Overhaul Alternative before refurbishment
    - New Facility Alternative before refurbishment
  - Electrical consumption
    - New Facility Alternative

# Cultural Impacts



- Areas potentially disturbed by the project have been surveyed.
- Results of the survey have been reviewed with the State Historic Preservation Office and Tribal Officials
- A few, small archaeological sites not eligible as historic may be disturbed by the New Facility Alternative.
- INL, including the areas disturbed by the New Facility Alternative, has importance to the Shoshone-Bannock people; therefore, there would be small unavoidable impacts to Native American cultural resources.

# Preferred Alternative



- **New Facility Alternative**

- The estimated cost is about \$1.6 billion, including over \$500 million for construction.
- If the New Facility Alternative is selected, work is expected to begin in late 2016 and continue through the early 2020s.
  - During construction there would be an increase of approximately 360 construction jobs.
  - The bulk of the construction would be expected to occur over 3 years during this period.

# Public Hearings



- **Public hearings will be held to obtain public comments on the Draft EIS**
  - **First hour will be an open house providing participants and opportunity to review informational materials and register to provide oral comments**
  - **Formal portion of meeting will include prepared NNPP remarks and oral comments from the public**

**Idaho Falls, Aug 4**

***6:00 – 9:00 pm***

**Residence Inn**

**Pocatello, Aug 5**

***6:00 – 9:00 pm***

**Red Lion Hotel**

**Twin Falls, Aug 6**

***6:00 – 9:00 pm***

**La Quinta Inn**

# Commenting on Draft EIS



- The Draft EIS is available for review at [www.ecfrecapitalization.us](http://www.ecfrecapitalization.us) and on the DOE's NEPA Web site at <http://energy.gov/nepa>.
- In addition to providing comments at the public hearing, comments can be provided by e-mail: [ecfrecapitalization@unnpp.gov](mailto:ecfrecapitalization@unnpp.gov).
- Written comments on the EIS may be submitted by mailing to:

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