

# Fast Flux Test Facility (FFTF) Decommissioning Environmental Impact Statement (EIS) Public Scoping Meeting



**September 29, 2004, Idaho Falls, Idaho**

**Wendy Lowe  
Facilitator**

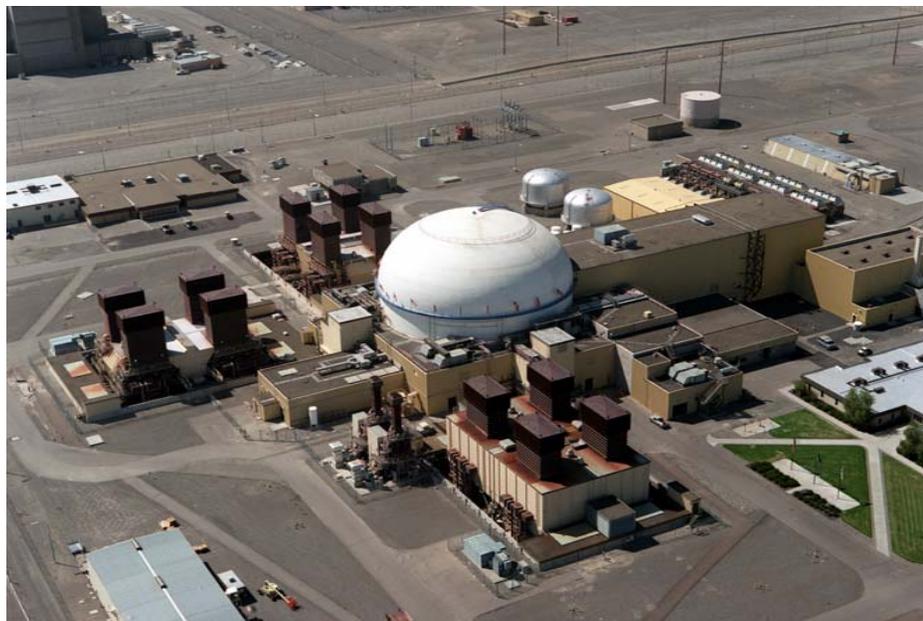


# AGENDA

- **Introduction**
- **DOE presentation – Scope of EIS**
- **Questions & clarification on presentation**
- **Public comments on EIS scope**
- **Closing**



# Fast Flux Test Facility (FFTF) Decommissioning Environmental Impact Statement (EIS)



**September 22, 2004 Richland, Washington Public Scoping Meeting**

**September 30, 2004 Idaho Falls, Idaho Public Scoping Meeting**

**Doug Chapin**

**NEPA Document Manager**

**U.S. Department of Energy**

**Richland Operations Office**

**FFTF Project Office**



# FFTF BACKGROUND

- FFTF was a 400 megawatt liquid metal (sodium) cooled nuclear test reactor on the Hanford Site
- Built in the 1970's and operated from 1982 – 1992
- Used to develop and test fuels, materials, and equipment for the Liquid Metal Breeder Reactor Program
- Currently shutdown and being deactivated
- *Deactivation* involves sodium coolant drain, fuel removal, and taking plant systems out of service

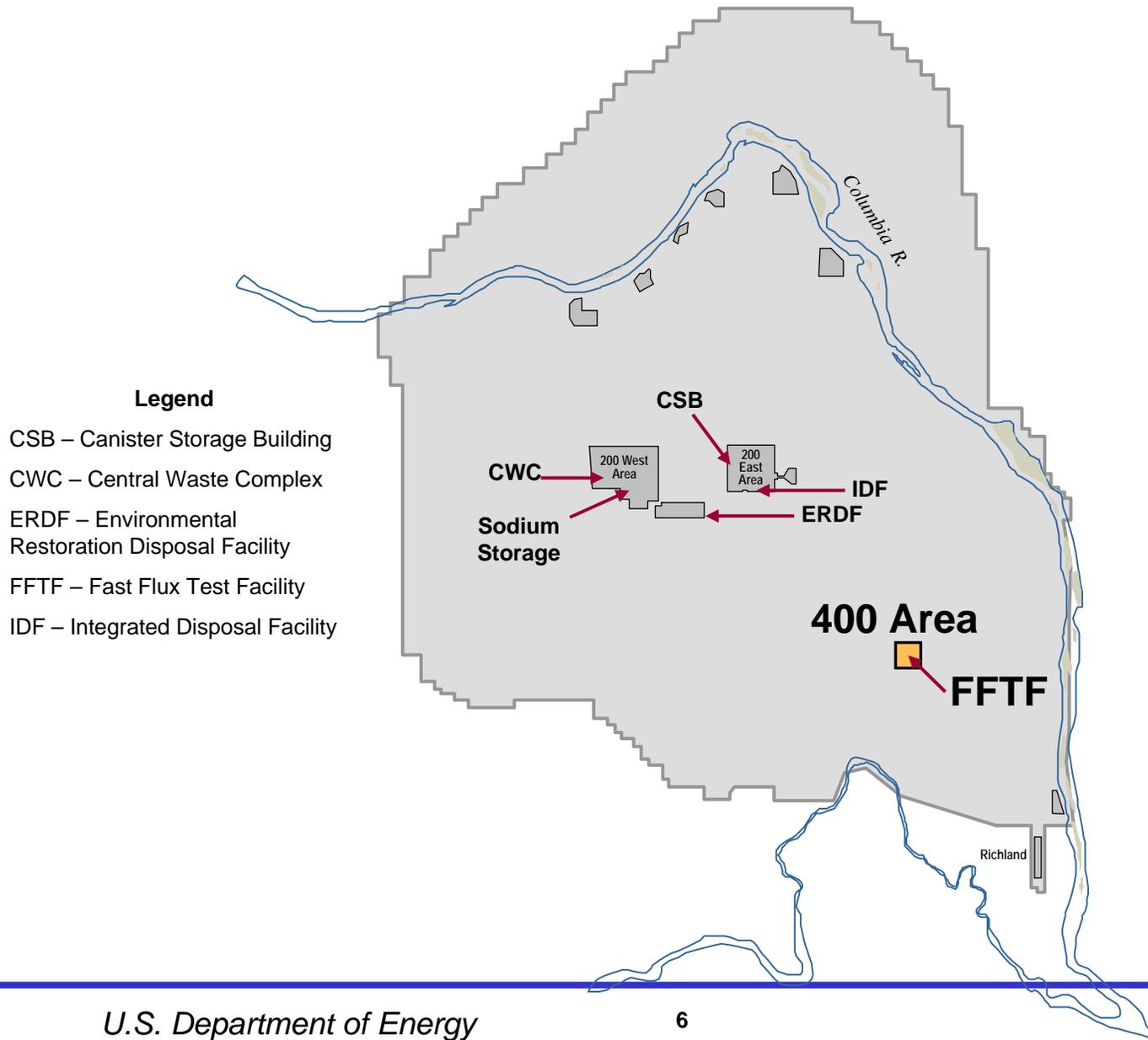


# FFTF DECOMMISSIONING EIS SCOPE

- **Decommission the deactivated FFTF and certain support facilities at the Hanford Site**
- **Disposition FFTF waste**
- **Disposition Hanford Site radioactively contaminated sodium**
- **Reduce long-term risks, surveillance, and maintenance costs**



# FFTF DECOMMISSIONING EIS FACILITIES



## Legend

- CSB – Canister Storage Building
- CWC – Central Waste Complex
- ERDF – Environmental Restoration Disposal Facility
- FFTF – Fast Flux Test Facility
- IDF – Integrated Disposal Facility



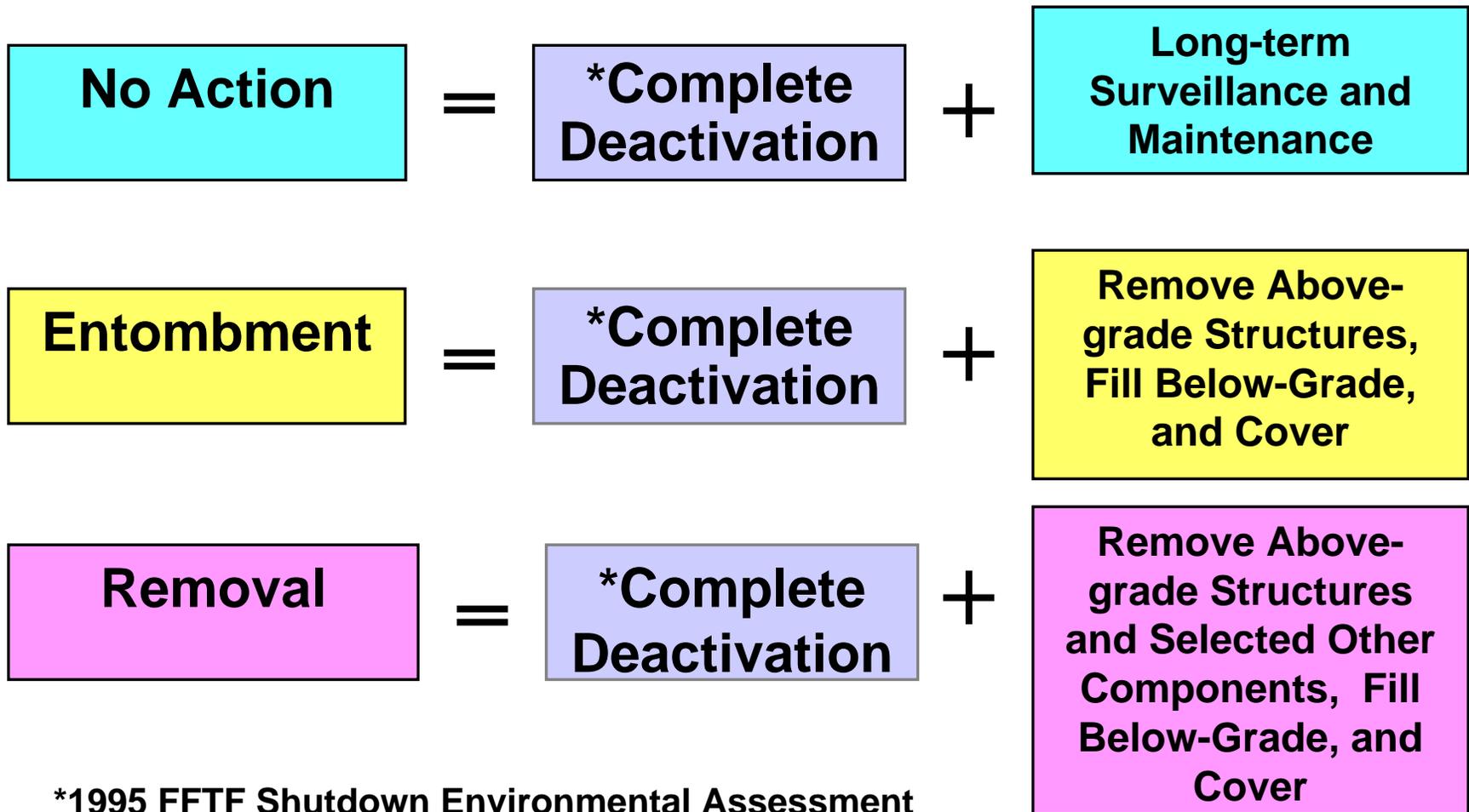
# Alternatives for the FFTF and Support Facilities

- **No Action**
- **Entombment**
- **Removal**

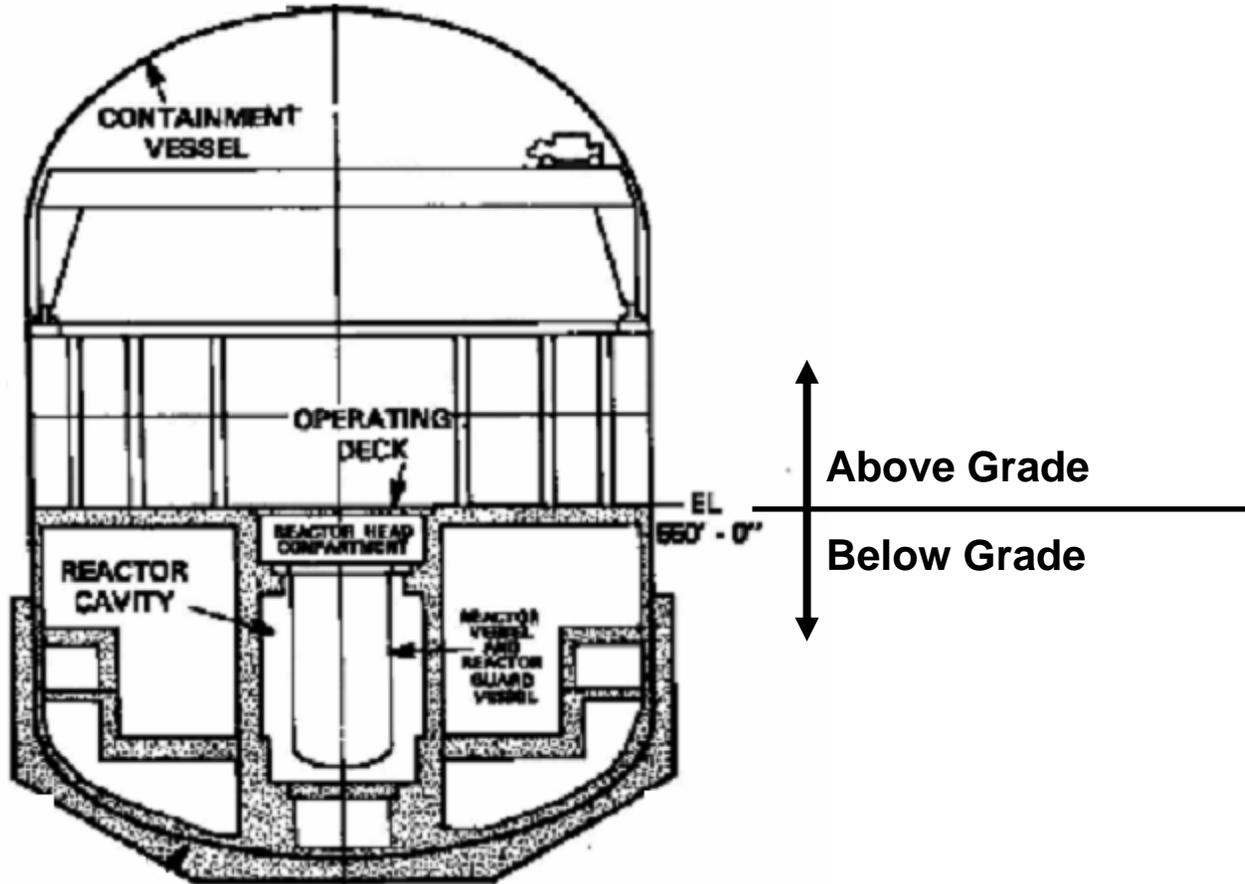
**DOE will consider additional alternatives that arise during public scoping and draft EIS preparation**



# Proposed Alternatives



# FFTF REACTOR CONTAINMENT BUILDING (Not to Scale)



# WASTE DISPOSITION

- **Special Components (e.g., sodium filters)**
  - **Store and treat at Hanford Site**
  - **Store onsite (Hanford Site), treat at Idaho National Engineering and Environmental Laboratory (INEEL)**
  - **Disposal at Hanford or offsite facility**
- **Low-level radioactive and mixed hazardous waste to Hanford Site 200 Area based on waste acceptance criteria [e.g., Environmental Restoration Disposal Facility (ERDF), proposed Integrated Disposal Facility (IDF)]**



# Hanford Site Radioactive Sodium Inventory

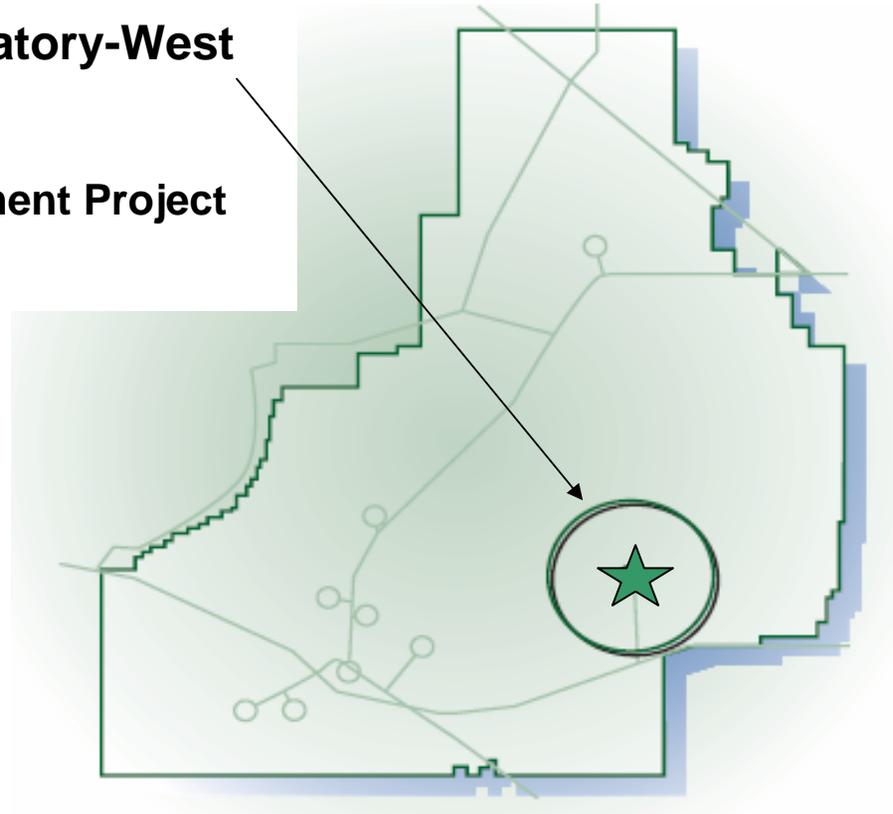
- **Includes sodium from FFTF, Hallam Reactor, and Sodium Reactor Experiment**
  - **Store and convert to sodium hydroxide product onsite (Hanford Site) for use by the Office of River Protection (ORP)**
  - **Store onsite, convert to sodium hydroxide product at INEEL, and return to Hanford Site for use by ORP**
- **Consistent with the Tri-Party Agreement FFTF deactivation and Hanford sodium milestones**



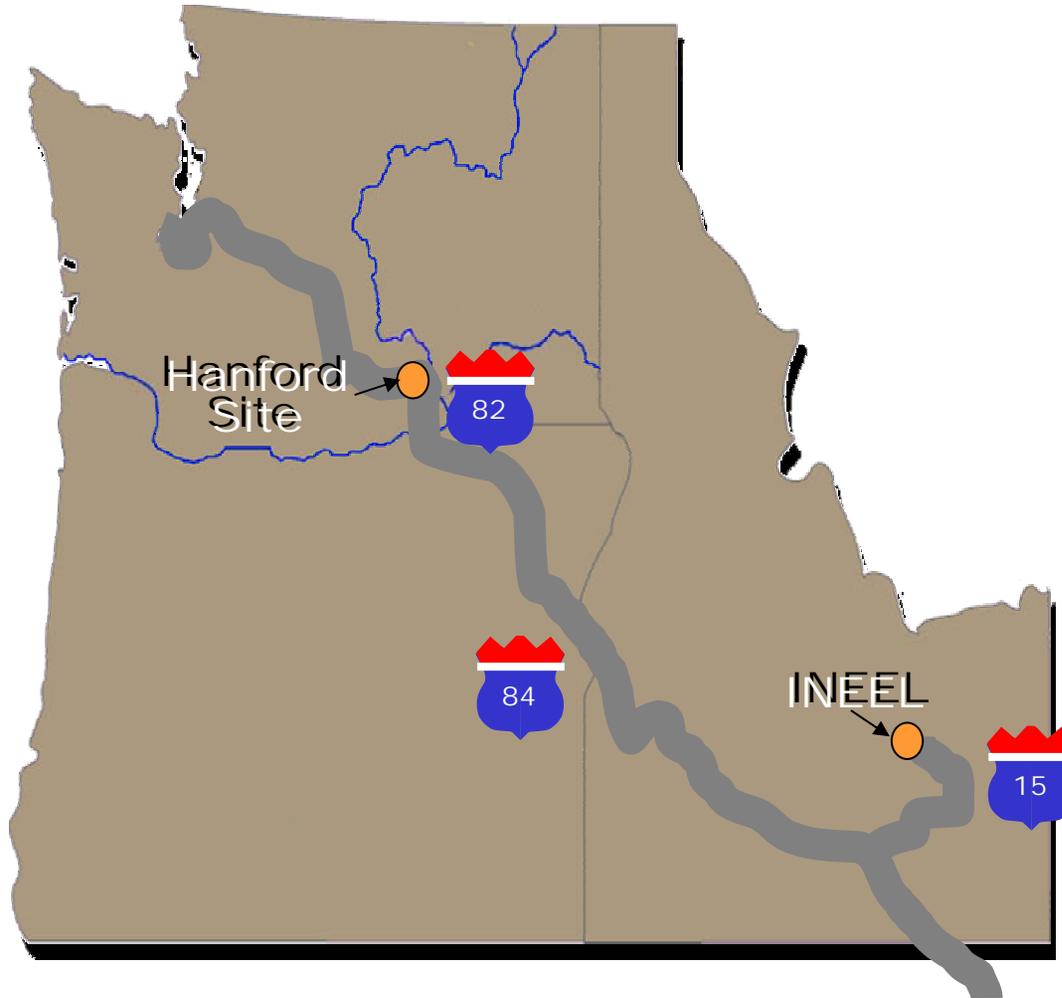
# INEEL FACILITIES

## Argonne National Laboratory-West

- Sodium Process Facility
- Proposed Remote Treatment Project



# TRANSPORTATION ROUTE



# EIS Schedule

- ***Public Scoping - August 13, 2004 through October 8, 2004***
- **Draft EIS - Early 2005**
- **Draft EIS public comment – Spring 2005**
- **Final EIS – Fall 2005**
- **EIS Record of Decision (ROD) - Late 2005**



# HOW TO SUBMIT SCOPING COMMENTS

## Written Comments:

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# DEFINITIONS

- **Public Scoping**: A National Environmental Policy Act public process to determine the scope of issues to be addressed relative to a proposed action (for example, in an EIS)
- **Deactivation**: Removing a facility from operation following shutdown
- **Surveillance and Maintenance**: Activities necessary to monitor and maintain the facility in a cost effective and safe, stable condition
- **Decommissioning**: Removing a facility from operation followed by final actions

