

Welcome to the SRS Pit Production EIS Scoping Meeting

**Environmental Impact Statement for
Plutonium Pit Production at the
Savannah River Site**

Scoping Meeting

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Department of Energy

NNSA's Challenges

- Plutonium pits
 - Critical components of every nuclear weapon
 - Nearly all current stockpile pits produced from 1978–1989
 - United States' capability to produce plutonium pits is limited today
- 2018 Nuclear Posture Review
 - Remanufactured pits needed to incorporate enhanced safety features, mitigate risk of plutonium aging, and respond to changes in deterrent requirements
 - Produce no fewer than 80 plutonium pits per year by 2030
- NNSA's Proposal
 - Repurpose the Mixed Oxide Fuel Fabrication Facility (MFFF) at SRS to produce a minimum of 50 pits per year and a minimum of 30 pits per year at LANL
 - Two-pronged approach improves resiliency, flexibility, and redundancy of the Nuclear Security Enterprise by reducing reliance on a single production site

How We Got Here

Stockpile Stewardship and Management (SSM) PEIS:

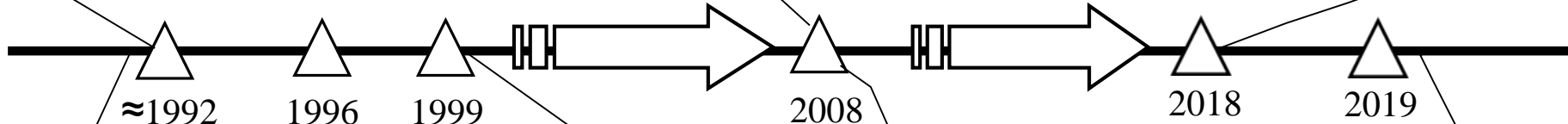
Establish small interim pit production capability at LANL

Complex Transformation SPEIS:

Evaluated production of 125 pits per year at five DOE sites, including use of MFFF infrastructure at SRS

2018 Nuclear Posture Review:

Provide the enduring capability and capacity to produce no fewer than 80 plutonium pits per year by 2030



DOE stops Rocky Flats operations in 1989 and decides to not restart plant in 1992

1999 LANL SWEIS

ROD: Authorized production of up to 20 pits per year

2008 LANL SWEIS:
Analyzed up to 80 pits per year at LANL; ROD affirmed 20 pits per year

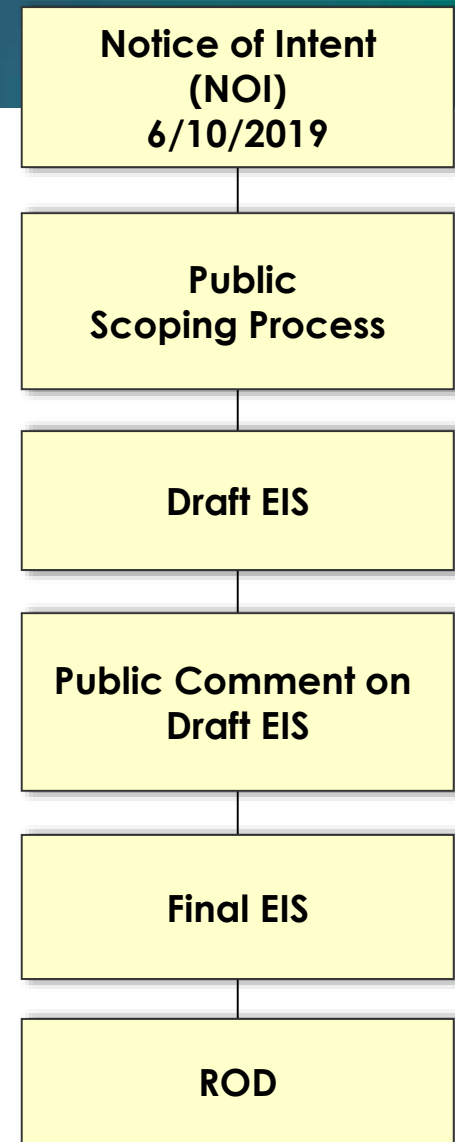
Current Proposal to Produce a Minimum of 50 pits per year at SRS and 30 pits per year at LANL

Pit Production NEPA Strategy

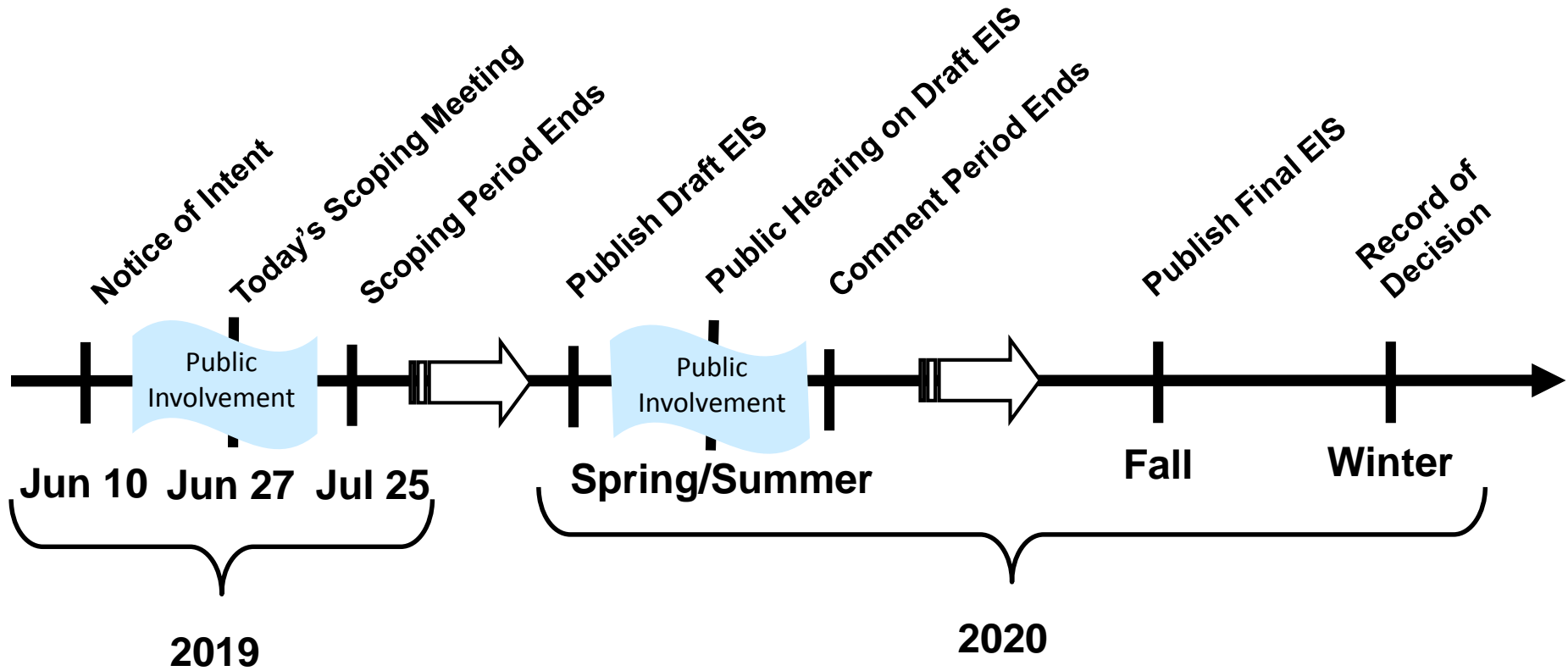
- The Complex Transformation Supplemental Programmatic EIS (SPEIS; 2008) evaluated production of 125 pits per year at five DOE sites, including use of the surplus plutonium disposition infrastructure at SRS (e.g., MFFF).
- NNSA has prepared a draft Supplement Analysis (SA) to the SPEIS (published 6/26 for public review and comment) to review the programmatic proposal to produce pits at LANL and SRS.
 - If the final SA identifies no new significant circumstances or information relevant to environmental concerns, NNSA would announce an amended Record of Decision (ROD).
 - If NNSA determines that a supplement to the Complex Transformation SPEIS or a new EIS is required, NNSA will announce that decision as appropriate.
- Under the NEPA process, NNSA is preparing a site-specific EIS for the proposal to produce a minimum of 50 pits per year at SRS and site-specific documentation to expand pit production beyond 20 pits per year at LANL.

NEPA Process

- Provide for public involvement and ensure that public officials consider the environmental effects of proposed actions and alternatives in order to foster better decision-making.
- EIS is required for any major federal action that may significantly affect the quality of the human environment.
- Scoping process enables early public participation in the EIS process.
 - Input from scoping will assist NNSA in formulating the proposed action, refining the alternatives, and defining the scope of EIS analyses.



SRS Pit Production EIS Schedule



Content of SRS Pit Production EIS



Summary

Introduction and Background

Purpose and Need

Proposed Action and Alternatives

Affected Environment

Environmental Impacts

Regulatory Compliance

Technical Appendices

Classified Appendix, if needed

SRS Pit Production EIS Alternatives



Current Alternatives

Proposed Action: Repurpose MFFF to Produce a Minimum of 50 Pits Per Year by 2030

No Action Alternative: No Pit Production at SRS (“Status Quo”)

Note: If reasonable alternatives are identified during the scoping period, NNSA will evaluate those alternatives in the EIS.

EIS Assessments

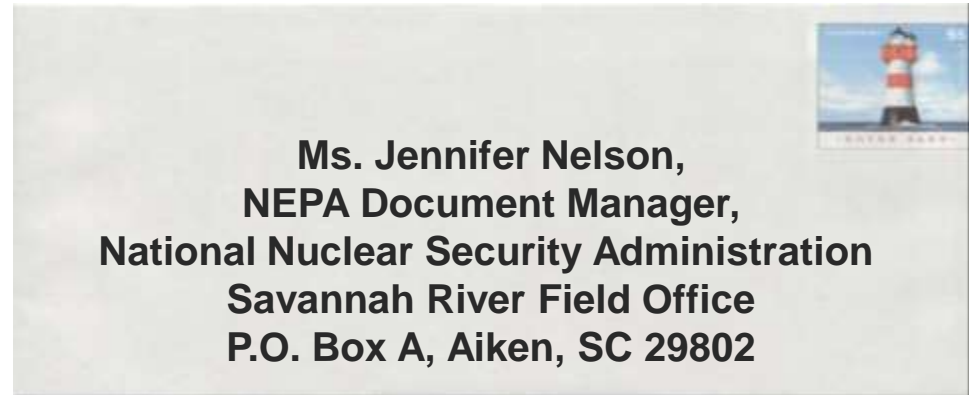
- Land
- Air Quality
- Water Resources
- Biotic Resources
- Cultural Resources
- Waste Management
- Cumulative Impacts
- Unavoidable Adverse Impacts
- Infrastructure
- Socioeconomics
- Environmental Justice
- Human Health
- Accidents
- Transportation
- Intentional Destructive Acts
- Mitigation Measures

Record of Decision (ROD)

- NNSA would consider input from:
 - EIS
 - Technical
 - Policy
 - Cost
- ROD would announce decision regarding repurposing MFFF to produce pits at SRS.
- ROD would include commitments to follow a Mitigation Action Plan, should one be required.

How to Provide Your Comments

- At scoping meeting
 - Oral or written
- By U.S. mail →
- By e-mail:
NEPA-SRS@srs.gov
- SA comments can also be submitted by the same three methods



Note: Comment period ends July 25, 2019