Welcome

Thank you for joining the
Public Hearing for the
Plutonium Pit Production
Draft Programmatic Environmental Impact Statement (PEIS)

The meeting will begin shortly.

For closed captions:

- Click More • • • at the top of the screen
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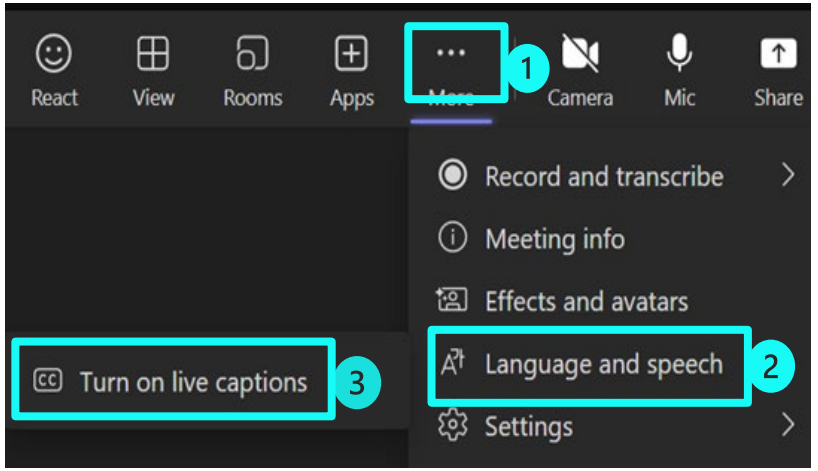
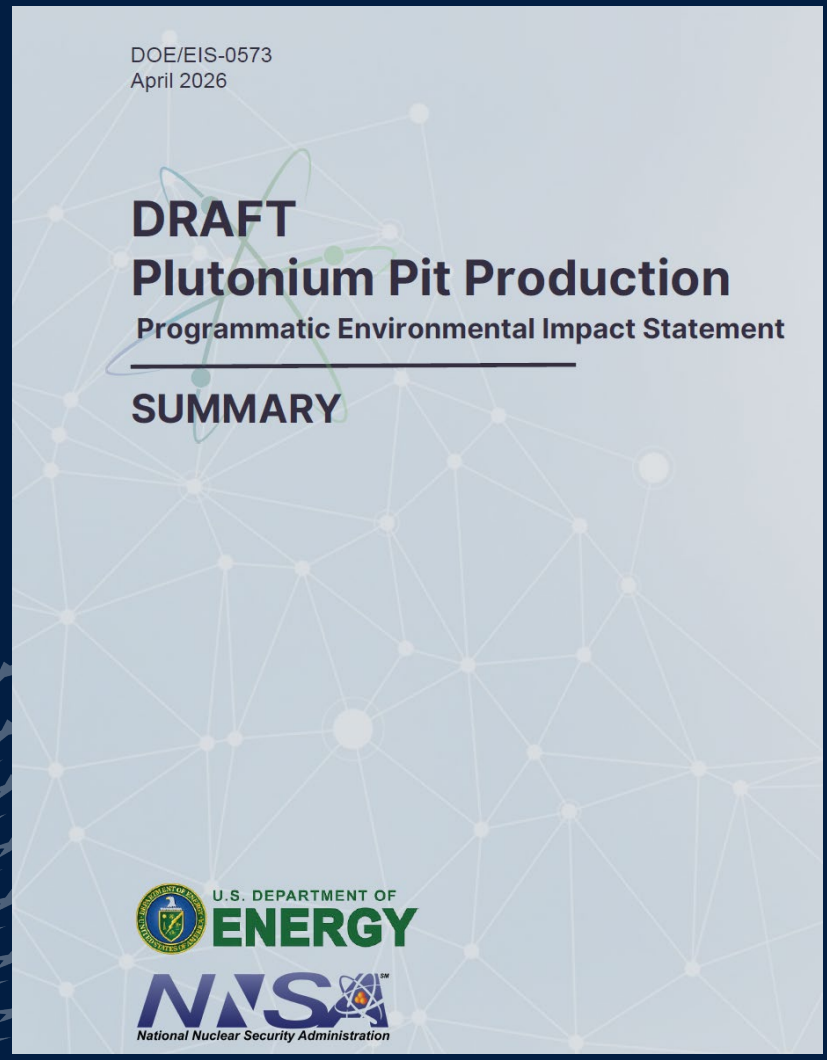


Plutonium Pit Production Draft Programmatic Environmental Impact Statement

Public Hearing

Jade Fortiner (NNSA Document Manager)



Peace Through Atomic Strength

U.S. DEPARTMENT of ENERGY

National Nuclear Security Administration

Today's Hearing

- On April 17, 2026, EPA published a Notice of Availability in the *Federal Register* for the Draft Pit Production PEIS. NNSA has announced planned hearings in North Augusta, SC; Kansas City, MO; Livermore, CA; Santa Fe, NM; and Washington, DC
- The PEIS and these hearings satisfy requirements in the Settlement Agreement from January 2025.
- Additional HQ press releases and site-specific notices were sent out from Los Alamos National Laboratory (LANL) and Savannah River Site (SRS) on April 10, 2026.
- Today's presentation, hearing posters, and other materials are posted on the DOE NEPA Website at: https://www.energy.gov/nepa/doeeis-0573-plutonium-pit-production-multiple-locations

Teams Tools

Closed Captioning

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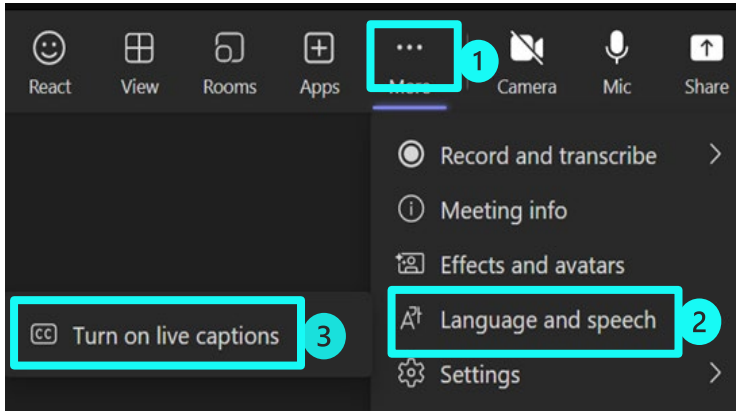

Screen Layout

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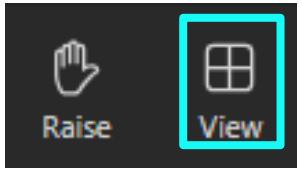

Meeting Presentation online at:

https://www.energy.gov/nepa/doeeis-0573-plutonium-pit-production-multiple-locations

Agenda

PURPOSE: Present a summary of and receive public comments on the Draft Pit Production Programmatic Environmental Impact Statement

Topic	Party	Duration
Welcome/Logistics	David Abelson, Moderator	5 minutes
Introductory Remarks	Tim Fischer, SRS Deputy Site Manager	5 minutes
Presentation of the PEIS	Jade Fortiner, NEPA Document Manager	20 minutes
Comment Procedures	David Abelson, Moderator	5 minutes
Public Comments	David Abelson, Moderator	2 hours
Next Steps	David Abelson, Moderator	5 minutes

Introduction

David Abelson
Independent
Moderator

Tim Fischer
Deputy Site Manager
Savannah River Field Office
National Nuclear Security Administration
Department of Energy

Kristen Dors
NEPA Compliance Officer
Environment, Safety, and Health (ESH)
National Nuclear Security Administration
Department of Energy

Jade Fortiner
NEPA Document Manager
NNSA Office of Plutonium Modernization
National Nuclear Security Administration
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Pit Production NEPA History

Site-Specific NEPA Reviews

- **1999 LANL Sitewide EIS (SWEIS)** – Evaluated production of up to 80 pits per year (ppy) at LANL (**Decision:** 20 ppy)
- **2008 LANL SWEIS -** Evaluated production of 30-80 ppy at LANL
  - A 2020 LANL SWEIS SA re-evaluated 30 ppy at LANL (***2020 LANL Record of Decision (ROD): 30 ppy***)
- **2020 SRS Pit Production EIS -** Evaluated production of 50-125 ppy at SRS (***2020 SRS ROD: 50 ppy with surge capacity***)
- **2026 LANL SWEIS** - Evaluated production of 30-80 ppy at LANL (**ROD: 30 ppy with surge capacity to 80 ppy**)

Pit Production NEPA History

Programmatic NEPA Reviews

- **1996 Stockpile Stewardship and Management PEIS**
  - Evaluated production of 80 ppy at LANL and SRS
- **2008 Complex Transformation Supplemental PEIS (CT SPEIS)**
  - Evaluated production of 80-200 ppy at LANL, SRS, and other sites
  - 2019 CT SPEIS Supplement Analysis evaluated production of 30-80 ppy at LANL concurrently with 50-125 ppy at SRS (***2020 CT SPEIS RODs: 30 ppy at LANL and 50 ppy at SRS***)
- Litigation after the ***2020 decisions*** resulted in a Settlement Agreement in 2025. NNSA agreed to prepare this PEIS

Requirements of Settlement Agreement

- Scoping period – 45 days after last scoping meeting
- Comment period on Draft PEIS – 90 days
- In-person hearings for Draft PEIS in North Augusta, SC; Santa Fe, NM; Livermore, CA; Kansas City, MO; and Washington, DC
- Until a ROD is published (within 2.5 years of Court Order), NNSA cannot:
  1. Introduce nuclear materials into Savannah River Plutonium Processing Facility (SRPPF);
  2. Install classified equipment into the Main Process Building;
  3. Start field construction of the Waste Storage RCRA Waste/DOT Inspection Station; and
  4. Start constructing the Waste Characterization Lab in the former Waste Solidification Building

Pit Production PEIS Schedule Milestones

Proposed Action and Alternatives

- Produce plutonium pits at required quantities to meet national security requirements (50 U.S.C. 2538a)
- Alternatives include:
  - No-Action Alternative (30-80 ppy at LANL, “Construction only” at SRS)
  - Multi-Site Alternative (10/30/80 ppy at LANL and 50/80/125 ppy at SRS)
  - Single Site Alternative (30-80 ppy at LANL **or** 50/80/125 ppy at SRS)[a]
- Focused on production sites that can achieve Congressional mandate and comply with 50 U.S.C 2538a; Only SRS and LANL.
- Impacts evaluated over a 50-year period

a. Analysis of single site alternative at SRS also includes maintaining LANL in standby mode with capability for pit production (equivalent to impacts of producing 10 ppy).

Los Alamos National Laboratory

- One of three national security laboratories responsible for assessing the safety, security, and reliability of the nuclear weapons stockpile
- Over 16,000 federal and contractor staff with a current budget of about $4.6B
- Occupies approximately 40 square miles (over 26,000 acres) with over 900 permanent and temporary facilities with a facility footprint of 195 acres

Los Alamos National Laboratory

- NNSA recently published the 2026 LANL SWEIS and ROD, which supported the following decisions related to pit production:
  - Reaffirmation of the 2020 decision to produce of a minimum of 30 ppy with surge capacity to 80 ppy
  - Implementation of infrastructure projects to support pit production (e.g., office buildings, security facilities, cafeterias, roads, parking, TRU waste staging areas)

Savannah River Site

- DOE complex supporting nuclear defense; nonproliferation; environmental stewardship and cleanup; waste management; and nuclear material disposition
- NNSA missions include tritium operations and extraction, preparation for pit production, receipt and management of foreign fuels, and disposition of surplus materials
  - Over 13,000 federal and contractor staff with a current budget of about $3.8B
  - Occupies approximately 310 square miles (over 198,000 acres)

Savannah River Site

- NNSA published the 2020 SRS Pit Production EIS and ROD, which supported the following decision:
  - Repurpose the Mixed-Oxide Fuel Fabrication Facility (MFFF) into the Savannah River Plutonium Processing Facility (SRPPF) to produce 50-125 ppy
  - Refurbishment of the MFFF and construction of other support facilities has been ongoing since 2020 in accordance with the ROD

Environmental Resource Areas

- The Draft PEIS analyzes the following resource areas:
  - Land Use
  - Aesthetic and Scenic Resources
  - Geology and Soils
  - Water Resources
  - Human Health and Safety
  - Noise
  - Socioeconomics
  - Infrastructure
  - Air Quality
  - Accidents and Intentional Destructive Acts
  - Biological Resources
  - Cultural Resources
  - Traffic and Transportation
  - Waste Management
- For each resource area, the PEIS presents a description of the affected environment for both LANL and SRS and includes potential impacts for each of the alternatives and identifies Best Management Practices and any mitigation measures required to eliminate or limit those potential impacts.
- PEIS provides complex-wide impacts that could be additive for multi-site, concurrent pit production.

No-Action Alternative

- LANL
  - Upgrade, modernize, and extend the life of PF-4
  - New support facilities and upgrade existing facilities
  - TRU waste staging areas
  - Production of 30 ppy with surge efforts to 80 ppy
  - All analyzed in the 2026 LANL SWEIS and included in 2026 ROD
- SRS
  - Repurpose MFFF into SRPPF
  - Build sand filter and support facilities
  - Analyzed in 2020 SRS EIS and included in 2020 ROD
  - Within limitations of Settlement Agreement
  - No nuclear operations at SRPPF

Multi-Site Production Alternative

- LANL
  - Maximum Capacity – 80 ppy
  - Steady State (near term) Capacity – 30 ppy
  - Minimum Production Rate – 10 ppy
- SRS
  - Maximum Capacity – 125 ppy
  - Steady State (near term) Capacity – 50 ppy
  - Minimum Production Rate – 50 ppy
- Alternative assumes concurrent production

Single Site Production Alternative

- LANL as single site
  - Maximum Capacity – 80 ppy
  - Steady State (near term) Capacity – 30 ppy
  - SRS production at zero
- SRS as single site
  - Maximum Capacity – 125 ppy
  - Steady State (near term) Capacity – 50 ppy
  - LANL assumed to continue activities at equivalent of 10 ppy but not for the stockpile (Plutonium R&D, surveillance, testing, independent of pit production)
- Analyzed in the event multi-site pit production is no longer needed/desired within the next 50 years

Potential Project Enhancements

- The Draft PEIS evaluates several project enhancements for both LANL and SRS
- These enhancements (described in Section 2.7) are options currently being considered and NNSA evaluates how these options could affect environmental impacts in each resource area
- The project enhancements are in the early stages of development and would continue to be evaluated under NEPA
- Examples include:
  - Inventory limits at LANL's RLUOB
  - Mobile TRU waste compactor
  - K-Area Metal Preparation
  - SRS Classified Machine Shops

Key Impact Comparison

Parameter	LANL	SRS
Land use and development	Permanent development: 70 acres Temporary laydown areas: 29 acres Previously undisturbed: 27 acres	Permanent development: 65 acres Temporary laydown areas: 42 acres Previously undisturbed: 9.3 acres
Air emissions	Non-radiological emissions below de minimis standards Radiological emissions << 1-percent of annual site releases	Non-radiological emissions below de minimis standards Radiological emissions << 1-percent of annual site releases
Socioeconomics	Construction workforce: 250-300 Additional operations staff: 864-2,083	Construction workforce: 4,000 peak Additional operations staff: 1,705-2,840
Transportation	Annual LCF risk to public: 0.0015-0.0038 Accident risk to public: 5.9×10^{-6} - 1.6×10^{-5} LCF Number of traffic fatalities from accidents: 0.0097-0.025 per year	Annual LCF risk to public: 0.0050-0.0099 Accident risk to public: 1.3×10^{-5} - 3.3×10^{-5} LCF Number of traffic fatalities from accidents: 0.027-0.060 per year

Key Impact Comparison (cont'd)

Parameter	LANL	SRS
Radioactive Waste (m^3/yr)	LLW: 3,029-7,627 MLLW: 102-262 TRU waste: 280-634	LLW: 4,650-9,400 MLLW: 7.6-15 TRU waste: 459-765
Human Health (normal operations)	MEI and collective population dose: Very small addition to baseline Number of radiological workers: 1,028-2,003 Avg annual worker dose: 360-465 mrem Collective annual worker dose: 370-931 person-rem Total annual radiological worker risk: 0.22-0.56 LCF	MEI and collective population dose: Very small addition to baseline Number of radiological workers: 1,280-2,130 Avg annual worker dose: 110-167 mrem Collective annual worker dose: 141-356 person-rem Total annual radiological worker risk: 0.08-0.21 LCF
Accidents	Bounding accident: glovebox fire MEI LCF risk: 1.2×10^{-6} Population LCF risk: 1.1×10^{-4}	Bounding accident: fire in receipt area MEI LCF risk: 5.5×10^{-6} Population LCF risk: 2.8×10^{-2}

Combined Impacts

Under the Multi-Site Alternative, all resource areas were evaluated for the potential for resulting in additive impacts. The two resource areas evaluated in more detail included:

- Radiological transportation – all nuclear materials and radiological waste
  - Annual collective dose: 22.8 person-rem (0.014 LCFs) to the population near shipping routes
  - Additional annual transportation accident risk: 4.9×10^{-5} LCF to the same population
- Waste Management

Waste Type	LANL (30–80 ppy)	SRS (50–125 ppy)	Combined Total (80-205 ppy)
LLW (m^3/yr)	3,029-7,627	4,650-9,400	7,679-17,027
MLLW (m^3/yr)	102-262	7.6-15	120-277
TRU waste (m^3/yr)	280-634	459-765	739-1,399

Providing Comments

- **NNSA is requesting your comments on the Draft Pit Production PEIS**
  - **Document is online at https://www.energy.gov/nepa/doeeis-0573-plutonium-pit-production-multiple-locations**
  - **Comment Period Closes: July 16, 2026 (90 days)**
- **There are three ways to provide comments:**

❖ **Verbal:** **During today's hearing**

❖ **Email:** **PITPEIS@NNSA.DOE.GOV**

❖ **Mail:** **Pit Production PEIS Comments**
Jade Fortiner
NNSA, Office of Pit Production Modernization
1000 Independence Avenue SW
Washington, DC 20585

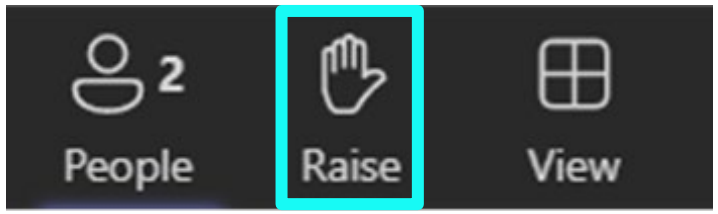
Today's Participation Process

- At any time during this hearing, participants may indicate that they wish to make a formal comment. There will be no exchange of questions and answers during this hearing.
- Commenters will have 3 minutes. Time cannot be shared with others.
- We will alternate between speakers in the room and online attendees.
- Disruptive behavior will not be allowed.
- Today's hearing is on the Draft Pit Production PEIS. Please limit your comments to this topic.

How do I Participate Virtually?

Verbal Comment On a Computer/Mobile Device

Raise your hand to be recognized and have your microphone unmuted.



Verbal Comment On Phone

Dial *5 to raise your hand.

The moderator will provide access to your microphone.

Dial *6 to unmute your microphone.

Callers are requested to identify themselves for the record.

Comment Session

- Questions about tonight's Process?
- Recorded Comment Session
- Your Federal Official hosting this hearing is the Deputy Manager of the Savannah River Field Office, Mr. Tim Fischer

Thank you for participation and respect for all participants in the process.

Closing Remarks

- The comment period is scheduled to close on July 16, 2026.
- All comments will be addressed in the Final Pit Production PEIS
- Additional comments may be submitted by:

❖**Email:** **PITPEIS@NNSA.DOE.GOV**

❖ **Mail**: **Pit Production PEIS Comments**
Jade Fortiner
NNSA, Office of Pit Production Modernization
1000 Independence Avenue SW
Washington, DC 20585

Thank you for attending today's hearing