



Supplemental Environmental Impact Statement (SEIS) Scoping Meeting for Enhanced Plutonium Facility Utilization at Lawrence Livermore National Laboratory (LLNL)

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Moderator
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Meeting Logistics

- Tonight's meeting is being recorded and is scheduled from 6 – 8 PM PST.
- The meeting is a webinar - all attendees are muted with videos turned off.
- A copy of the presentation will be posted to the National Nuclear Security Administration (NNSA) National Environmental Policy Act (NEPA) Reading Room website.
- Comments will not be addressed tonight but will be considered as part of the SEIS preparation process.
- The recording of the public comment portion of the meeting will be transcribed for formal inclusion in the project record.
- Written comments can be submitted by email or postal mail. **All comments will be considered equally.**

Meeting Agenda

- Logistics and Purpose of Scoping Meeting (5 mins)
- NNSA Presentation (15 mins)
 - SEIS Purpose and Need
 - SEIS Project Description
 - Preliminary Alternatives
 - Environmental Resource Areas Under Analysis
 - History of the Plutonium Facility
 - Definition of Security Categories
 - SEIS NEPA Process and Schedule
- Public Comment (100 mins)

Purpose of Scoping Meeting

- On January 13, 2025, NNSA published a Notice of Intent (NOI) to prepare the LLNL SEIS and notified the public of its intention to hold the public scoping meeting.
- NNSA opted to hold a webinar instead of an in-person or hybrid meeting:
- The approach:
 - Allows for greater public participation;
 - Has been successfully implemented by Department of Energy (DOE) and other federal agencies; and
 - Is consistent with the *National Environmental Policy Act*.

The DOE/NNSA is holding this meeting to invite public participation in the NEPA process by soliciting comments on the scope and reasonable alternatives that should be considered in the SEIS.

SEIS Purpose and Need

- NNSA needs additional plutonium research and development (R&D) space due to new and evolving international security concerns;
- Additional plutonium R&D space is critical to the DOE/NNSA Stockpile Stewardship and Management Program; and
- NNSA has identified that the LLNL Plutonium Facility R&D capability is underutilized.



NOTE: The need for the project was identified after the Public Comment Period on the LLNL Draft Site-Wide EIS (SWEIS). NNSA considered adding this project to the SWEIS scope, but it was not sufficiently defined to analyze its environmental impacts.

Scope of the SEIS

- Increasing the amount of fissile materials for R&D activities;
- Upgrading the security categorization of the LLNL Plutonium Facility from Security Category III to Security Category II operations;
- Conducting security and infrastructure construction activities;
- Increasing materials shipments and waste generation/shipments during operations; and
- Adding operational and security personnel to support Security Category II operations.

Although the SEIS proposes a change to the security category of the facility it does **NOT** propose changes to the hazard categorization of the facility, nor does it change the administrative limit as described in the 2023 LLNL SWEIS.

Definition of DOE Security Categories

- The security category defines the mass limit, material type, and attractiveness of material that can be used within a nuclear facility.
- The security category sets the security force levels and infrastructure needed to protect the material.
- DOE Order 474.2A, *Nuclear Material Control and Accountability*, defines four designated security categories (Security Category I, II, III, and IV). The greatest quantities are included under Security Category I, and lesser quantities are included in descending order under Security Category II, III, and IV.

DOE Order limits Security Category III operations to 400 grams of plutonium metal, while Security Category II operations are limited to 2 kg of plutonium metal.

Preliminary Alternatives

- NNSA will only consider reasonable alternatives that are consistent with the LLNL mission and the purpose and need defined by NNSA. The following two alternatives are being considered:
 - **1. No-Action Alternative**
Continue current operations at the Plutonium Facility as described in the 2023 LLNL SWEIS.
 - **2. Proposed Action**
Continue ongoing operations in the Plutonium Facility, plus enhanced utilization of the facility as described in the SEIS scope.

NNSA welcomes input on these or other alternatives as identified by the public for the SEIS.

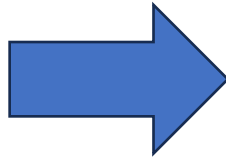
Environmental Resource Areas under Analysis

- Land Use
- Air Quality and Noise
- Water Resources
- Biological Resources
- Cultural Resources
- Waste Management
- Infrastructure/Utilities
- Geology and Soils
- Site Contamination and Remediation
- Aesthetics and Scenic Resources
- Socioeconomics Characteristics and Environmental Justice
- Human Health and Safety
- Traffic and Transportation
- Accident Analysis and Intentional Destructive Acts

Security Category of Plutonium Facility

Built in 1961

The LLNL Plutonium Facility was built and operated as a **Security Category I** facility.

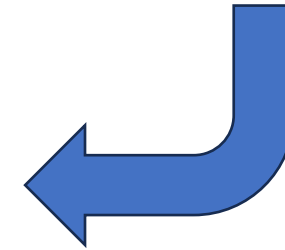


By end of 2012

NNSA removed excess plutonium inventories, resulting in the LLNL Plutonium Facility operating at **Security Category III** operational levels, which was an effective level of support for that time.

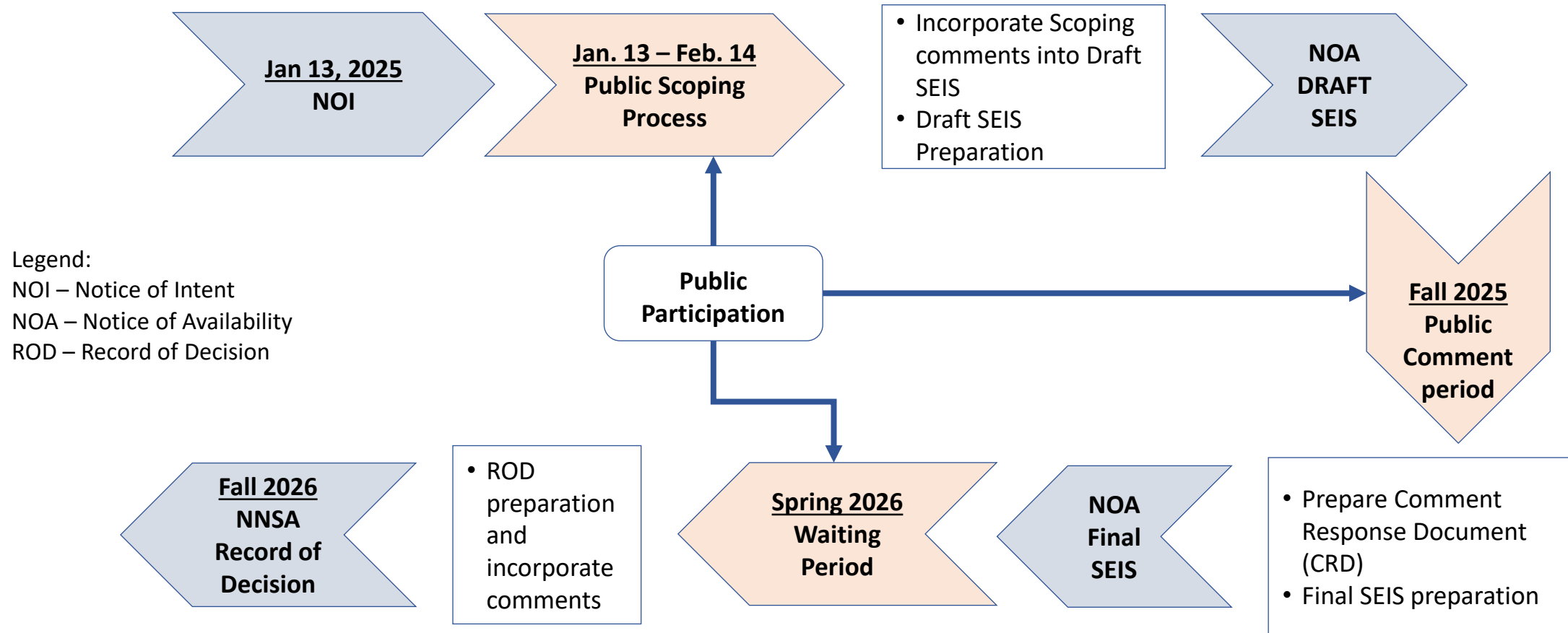
Proposed in this SEIS

Enhancing plutonium R&D capabilities in the Plutonium Facility to meet NNSA mission needs would require going from Security Category III operations **to Security Category II** operations.



The LLNL Plutonium Facility R&D capabilities could be better utilized at Security Category II operations and could be available in a much shorter time-frame than other options.

SEIS NEPA Process and Schedule



How to Provide Comments

Scoping period began January 13 and now ends on March 3, 2025

- **Verbal:**
SEIS Public Scoping Meeting (this meeting)
 - **Written:**
Mr. Alan Chen
SEIS Document Manager, NNSA Livermore Field Office
7000 East Avenue
Livermore, California 94551-0808
 - **Email:** LLNLSEIS@nnsa.doe.gov
 - **Voicemail:** 833-778-0508
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Website: <https://www.energy.gov/nnsa/nnsa-nepa-reading-room>

Thank you for your participation!

Guidelines for Making Comments

To Comment:

- Participants can use raise hand tool to indicate that they wish to comment.
- The moderator will call on the commentor in the order received.
- Speakers will be allowed 3 minutes to provide their comments.
- The timer will indicate when the 3 minutes is up.
- Participants will have one opportunity to provide comments.
- Once all participants have commented, individuals will be provided an additional opportunity to provide comment, as time allows.

How to Raise Your Hand to Comment

Online:

1. Press “Raise Hand”
 - If you can not see this button, press the ellipses (“...”) button
2. When called, you will be able to unmute yourself to speak by pressing the “Unmute” button

Dialing in by Phone:

- Dial *9 to raise your hand
- When called, dial *6 to unmute yourself

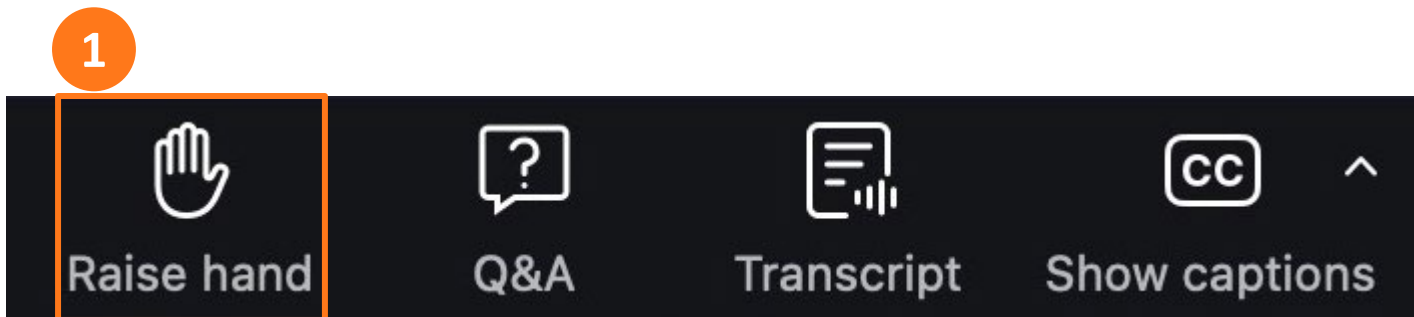
[\[Info\]](#) Welcome! Select a time and click Start. [\[Reveal*\]](#)

0 hr ▾ 3 min ▾ 0 sec ▾

00:03:00

☒ Play sound when timer ends

Start Timer Light Theme ▾



The host would like you to speak

If you choose to unmute, others in the webinar will be able to hear you. If the host or panelists decide to record, livestream, or archive the webinar after you unmute, your voice will be included. The recording may be shared with smart recording which uses AI technology, which may include third-party models. Zoom does not use any audio, video, chat, screen sharing, attachments or other communications-like content (such as poll results, whiteboard and reactions) to train Zoom's or third-party AI models.

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