

Welcome



Welcome to the Scoping Meeting for the Los Alamos National Laboratory (LANL) Site-Wide Environmental Impact Statement (SWEIS)



Presented by:

Kristen Dors

**NA-LA NEPA Compliance
Officer**

September 13 and 14, 2022

- **Welcome**
- **Meeting Logistics**
- **Los Alamos Field Office Remarks**
- **Scoping Process Overview**
- **National Environmental Policy Act Process (NEPA) for the Site-Wide Environmental Impact Statement**
- **Receipt of Formal Comments**



- The opening remarks and NNSA presentation will last approximately 30 minutes. The meeting is scheduled to last approximately 2 hours.
- This presentation is followed by an opportunity for the public to provide verbal comments that will be recorded and transcribed for formal inclusion in the project record.
- At any time during this meeting, participants may indicate that they wish to make a formal comment. There will be no exchange of questions and answers during this meeting.
- If you have written comments, please summarize and submit them by either email to LANLSWEIS@NNSA.DOE.GOV or postal mail.
- Today's meeting is on the scope of the new Site-Wide Environmental Impact Statement for the Los Alamos National Laboratory. Please limit your comments to this topic.



NNSA wants your input on the scope of the SWEIS analysis (range of alternatives and analysis of impacts).

There are three ways to provide scoping comments:

- **Verbal:** **During today's meeting**
- **Email:** **LANLSWEIS@NNSA.DOE.GOV**
- **Mail:** **LANL SWEIS Comments
National Nuclear Security Administration
Los Alamos Field Office
3747 W. Jemez Road
Los Alamos, New Mexico 87544**

How Do I Make a Comment?



Verbal Comment On a Computer/Mobile Device

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



Verbal Comment On Phone

Dial *9.

The moderator will unmute your line.

Callers are requested to identify themselves for the record.

Introduction



Jacqueline Boltz
Moderator
Tetra Tech, Inc.



Ted Wyka
**Los Alamos Field Office
Manager**
National Nuclear Security
Administration
Department of Energy



Larry Kwei
**Los Alamos Field Office
NEPA Document Manager**
National Nuclear Security
Administration
Department of Energy



Kristen Dors
**Los Alamos Field Office
NEPA Compliance Officer**
National Nuclear Security
Administration
Department of Energy

Today's Scoping Meeting



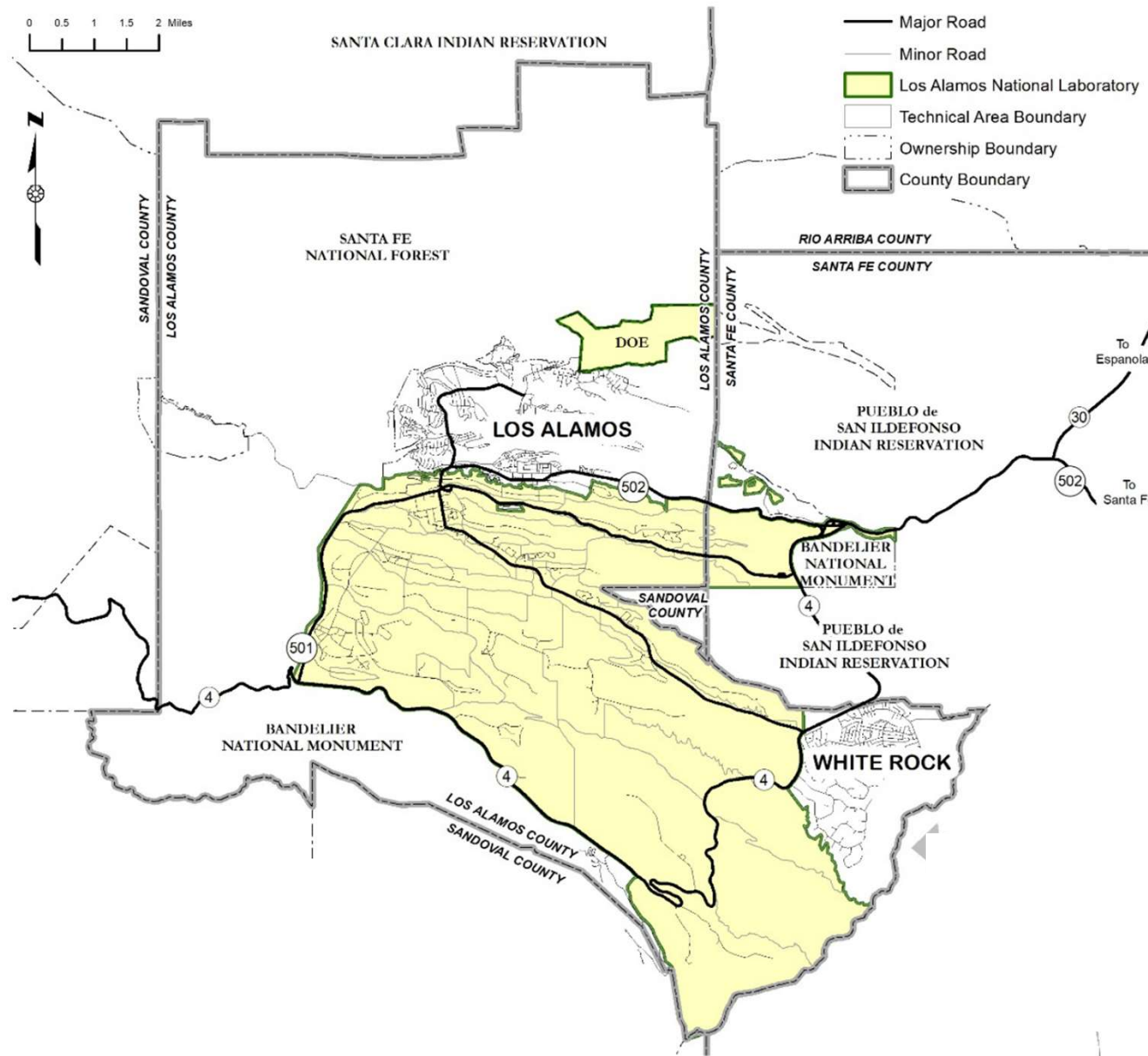
- On August 19, 2022, NNSA published a Notice of Intent in the *Federal Register* to prepare the new LANL SWEIS. Public notification also included emails to the GovDelivery mailing list for LANL. NNSA is using virtual, online meetings to prevent the spread of COVID-19.
- This approach:
 - Allows NNSA to reach a broader audience with the same presentation.
 - Allows nationwide participation in the meeting.
 - Is consistent with Council on Environmental Quality and Department of Energy NEPA guidance.
- In addition to today's meeting, the other methods for submitting comments on the SWEIS scope remain available (e.g., email or postal mail).

**Your input will assist the NNSA in defining the scope of SWEIS analyses;
The extended scoping comment period ends October 18, 2022**

- **One of three national security laboratories responsible for assessing the safety, security, reliability, and military effectiveness of the U.S. nuclear weapons stockpile**
- **Founded in 1943**
- **Employs around 14,000 with a current budget of approximately \$4.6B**
- **LANL occupies approximately 40 square miles (25,600 acres)**



LANL Regional Perspective





- **NNSA's mission, as stated in the National Nuclear Security Administration Act (50 USC 2401) is to:**
 - **Enhance United States national security through the military application of nuclear energy;**
 - **Maintain and enhance the safety, reliability, and performance of the United States nuclear weapons stockpile, including the ability to design, produce, and test, in order to meet national security requirements;**
 - **Promote international nuclear safety and nonproliferation;**
 - **Reduce global danger from weapons of mass destruction; and**
 - **Support United States leadership in science and technology.**

- **The U.S. must have the ability to maintain and certify a safe, reliable, and effective nuclear arsenal.**
- **The 2018 Nuclear Posture Review reaffirmed the role of an effective, responsive, and resilient nuclear weapons infrastructure for national security.**
- **LANL must continue supporting international nuclear safety and nonproliferation; reducing global danger from weapons of mass destruction; and enhancing United States leadership in science and technology by conducting fundamental scientific research, modeling, and development.**
- **DOE's Office of Environmental Management must continue to comply with the requirements agreed to in the 2016 Consent Order.**

LANL Mission Programs



- **Stockpile Stewardship/Weapons Programs**
 - **Weapons Design and Certification**
 - **Weapons Materials (Uranium, Plutonium) – Dynamic Properties**
 - **Weapons Engineering - High Explosives and Tritium, Materials Manufacturing Development**
 - **Weapons Production – Plutonium (including pit production), Detonators**
- **Science Technology, and Engineering Programs**
 - **Accelerator, Material, Bioscience, Physical, and other basic Science**
 - **Supercomputing**
 - **Energy security and climate change**
- **Global Security**
 - **Nuclear Nonproliferation**
 - **Nuclear Counterterrorism/Counterproliferation**
 - **Emerging Threats**
 - **Biosecurity**
 - **Space applications and support**
 - **Surplus Plutonium Disposition**
 - **Offsite Source Recovery Program**
- **Environmental Management/Restoration Program**

LANL SWEIS Historical Context



1979 SWEIS and Record of Decision

- DOE/EIS-0018
- First comprehensive site-wide strategy for Los Alamos Scientific Laboratory

2008 SWEIS and Records of Decision

- DOE/EIS-0380 provided updates from the 1999 SWEIS
- Evaluated a No-Action, Reduced Operations, and Expanded Operations Alternative
- 2008 ROD selected the No-Action Alternative and included limited pit production (20 ppy)
- 2009 ROD selected the No-Action Alternative plus elements of the Expanded Operations Alternative.
- 2011 AROD decided to implement elements of the Global Threat Reduction Initiative.
- 2020 AROD decided to implement the Expanded Operations pit production (30 ppy with surge capacity for 80 ppy)

2022 Notice of Intent (NOI)

- The NOI announces NNSA's intent to prepare the Site-Wide Environmental Impact Statement to analyze the potential environmental impacts for continuing operations of LANL for approximately the next 15 years.

1999 SWEIS and Record of Decision

- DOE/EIS-0238

2009 Supplement Analysis (SA-1)

- Offsite transportation of LLW to EnergySolutions

2011 Supplement Analysis (SA-2)

- Transportation and storage of sealed sources from foreign countries

2016 Supplement Analysis (SA-3)

- Facility modifications and processing studies for remediated TRU waste drums

2016 Supplement Analysis (SA-4)

- Treat, repackage and store TRU waste drums

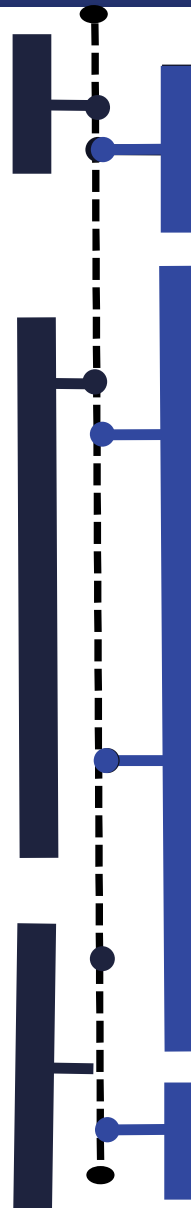
2018 Supplement Analysis (SA-5)

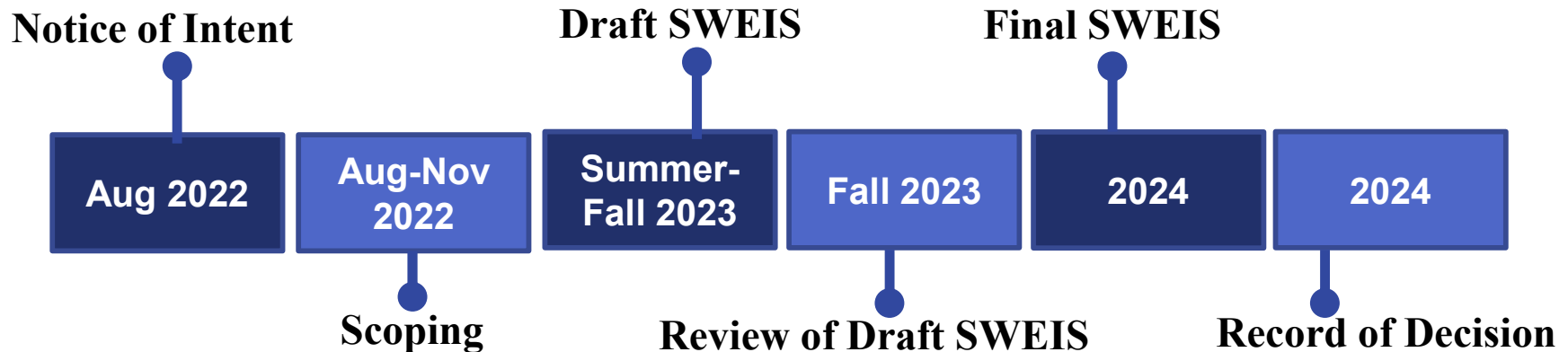
- 5-year periodic review

2020 Supplement Analysis (SA-6)

- Increase pit production to 30 ppy with surge capacity for 80 ppy

2024 SWEIS and Record of Decision





- Provides for public and government involvement and ensures that federal officials consider the environmental effects of proposed actions and alternatives in order to foster better decision-making.
- An EIS is required for any major federal action that may significantly affect the quality of the human environment.
- A SWEIS provides a comprehensive analysis of site-wide activities.
- Scoping and review of the Draft SWEIS enables participation in the SWEIS process

Input from scoping will assist NNSA in formulating the Proposed Action, refining the alternatives, and defining the scope of SWEIS analyses



- **No Action** – Continue current facility operations throughout the Laboratory in support of assigned missions.
 - Includes the programs and activities for which NEPA review is already complete or underway.
 - Includes compliance with the Consent Order.
- **Modernizing Current Operations** – Includes the scope of the No Action Alternative and modernizes facilities to support current missions.
 - Includes construction of replacement facilities and more significant upgrades or decontamination, decommissioning, and demolition.
- **Expanded Operations** – Includes the scope of the Modernizing Current Operations Alternative plus actions to expand operations and missions.
 - Responds to foreseeable future national security challenges
 - Includes construction of new facilities and significant upgrades that change the nature and capability of facilities.
 - Expands the capabilities at LANL beyond those that currently exist.

- **Evaluating the reasonableness of specific Reduced Operations Alternatives**
- **Alternatives that NNSA will not consider as reasonable because they are inconsistent with the LANL mission defined by NNSA.**
 - **Complete closure and decontamination and decommissioning of the Laboratory.**
 - **Transfer of current missions/operations from LANL to other sites.**

NNSA welcomes input on any other alternatives that the public identifies for the SWEIS

Content of the SWEIS



- **Summary**
- **Introduction and Background**
- **Purpose and Need**
- **LANL Missions and Planning Areas**
- **Alternatives**
- **Affected Environments**
- **Environmental Impacts**
- **Regulatory Compliance**
- **Technical Appendices**

- **Land and Visual Resources**
- **Geology and Soils**
- **Water Resources**
- **Air Quality and Noise**
- **Ecological Resources**
- **Human Health and Safety**
- **Socioeconomics and Infrastructure**
- **Cultural Resources**
- **Waste Management and Pollution Prevention**
- **Traffic and Transportation**
- **Environmental Justice**
- **Climate Change and Resiliency**
- **Site Contamination and Remediation**
- **Facility Accidents and Intentional Destructive Acts**

- **NNSA will consider the following input when assessing the ROD:**
 - **SWEIS (including public and government input)**
 - **Technical**
 - **Policy**
 - **Cost**

Record of Decision (ROD) will announce the decision regarding continued operations at LANL

How To Provide Scoping Comments



- **Email:** LANLSWEIS@NNSA.DOE.GOV
- **Mail:** **LANL SWEIS Comments**
NNSA, Los Alamos Field Office
3747 W. Jemez Road
Los Alamos, New Mexico 87544
- **Project Information:** <https://www.energy.gov/nnsa/nnsa-nepa-reading-room>
- **Extended scoping period ends on October 18, 2022**

The next opportunity for public input will follow publication of the Draft SWEIS (expected in Summer/Fall 2023). The Notice of Availability of the Draft SWEIS will be announced by the Environmental Protection Agency and NNSA in the *Federal Register*. The Notice of Availability will then be published on the NNSA NEPA Reading Room website.

How Do I Make a Comment?



Verbal Comment On a Computer/Mobile Device

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



Verbal Comment On Phone

Dial *9.

The moderator will unmute your line.

Callers are requested to identify themselves for the record.

Please be respectful of others, even if you don't agree with their comments.

- The comment period closes on October 18, 2022.
Additional comments may be submitted by:
- Email: LANLSWEIS@NNSA.DOE.GOV
- Mail: LANL SWEIS Comments
NNSA Los Alamos Field Office
3747 W. Jemez Road
Los Alamos, New Mexico 87544

Thank you for attending today's meeting