

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

**Disposal of Surplus Plutonium in the Waste Isolation Pilot Plant
(WIPP)**

Meeting #13:
Full committee: April 16-17, 2019
Classified subgroup: April 18, 2019

The Keck Center, Room K201
500 Fifth Street NW
Washington, DC 20001
Washington, DC

Agenda subject to change

Connection details for remote attendees for April 16 and 17:

Join from PC, Mac, Linux, iOS or Android: <https://nasem.zoom.us/j/962438493>

Or iPhone one-tap :

US: +16465588656,,962438493# or +16699006833,,962438493# Or Telephone:

Dial (for higher quality, dial a number based on your current location):

US: +1 646 558 8656 or +1 669 900 6833 or

888 475 4499 (Toll Free) or 877 853 5257 (Toll Free)

Meeting ID: 962 438 493

International numbers available: <https://zoom.us/u/aYzFINcYe>

Tuesday, April 16, 2019

DATA-GATHERING SESSION OPEN TO THE PUBLIC

Keck 201, Keck Center

- 9:00 am **Welcome and Meeting Overview**
Robert (Bob) Dynes, committee chair
- 9:15 **WIPP Compliance, Capacity, Storage, and Transportation**
George Basabilvazo, Chief Scientist, Department of Energy (DOE) Carlsbad Field Office (CBFO) and
Greg Sahd, DOE CBFO
30 min presentation, 30 min questions from committee
- 10:15 **Program Plan for Disposing of 6 MT of Surplus Plutonium**
Maxcine Maxted, Savannah River Nuclear Materials Program Manager, Office of the Assistant Manager for Nuclear Materials Stabilization, DOE-Environmental Management (EM)

Nuclear and Radiation Studies Board
500 Fifth Street, NW, Washington, DC 20001
Phone 202.334.3066 Fax 202.334.3077 www.nationalacademies.org

Plutonium Disposition

Page 2

45 min presentation, 30 min questions from committee

11:30 **LUNCH**, tickets for cafeteria for committee members

12:30 pm **Overview of Performance Assessments for Disposal of Surplus Plutonium**
Sean Dunagan, Manager of Special Projects and Remote Site Support, Sandia National Laboratories
Questions welcomed from committee throughout presentation.

BREAK – at the discretion of the chair

3:45 pm **WIPP Compliance Recertification Process and Planned Change Notice Considerations**
Tom Peake, Director, Center for Waste Management and Regulations, US Environmental Protection Agency
30 min presentation, 30 min questions from committee

4:45 pm **Feasibility and Risks of Human Intrusion in WIPP**
Cameron Tracy, Stanton Nuclear Security Postdoctoral Fellow, Belfer Center for Science and International Affairs, Kennedy School of Government, Harvard University
30 min presentation, 30 min questions from committee

5:45 pm **Opportunity for Public Comments**
Each public comment will be limited to no more than 3 minutes duration.

6:00 pm **End Data Gathering Session (no later than 6:00 pm, but potentially ending earlier if there are few public comments)**

Wednesday, April 17, 2019

DATA-GATHERING SESSION OPEN TO THE PUBLIC

Keck 201, Keck Center

9:00 am **Call to order and welcome, brief introductions by the committee**
Bob Dynes, committee chair

9:15 **NNSA Introduction**
Bill Kilmartin, Director, Office of Material Disposition, National Nuclear Security Administration (NNSA)
5 minutes

9:20 **Life Cycle Cost Estimate Planning Documents: Risk and Opportunity Management Plan (ROMP) and the Risk and Opportunity Analysis Report (ROAR)**
Tom Cantey, Surplus Plutonium Disposition Program Manager, Office of Material Disposition, NNSA and

Sterling Robertson, Surplus Plutonium Disposition Program Manager, Savannah River Nuclear Solutions

30 min presentation, 30 min questions from committee

10:20

National Environmental Policy Act (NEPA) Strategy –

Paloma Richard, NEPA Document Manager, Office of Material Disposition, NNSA

10 min presentation, 20 min questions from the committee

10:50

BREAK

11:00

Engagement with IAEA for 6 MT –

Kevin Veal, Director, Office of International Nuclear Safeguards, NNSA

5 min briefing, 20 min questions from committee

11:30

LUNCH

12:30 pm

Overview of Criticality Analysis

John Scaglione, Oak Ridge National Laboratory

45 min presentation, 30 min questions from committee

1:45

DOE (NNSA and EM) follow-up to address unanswered questions from Day One

3:00

BREAK

3:15

To Be Determined

3:30

Opportunity for Public Comments

Each public comment will be limited to no more than 3 minutes duration.

3:45

End Data Gathering Session (no later than 3:45 pm, but potentially ending earlier if there are few public comments)

Thursday, April 18, 2019

DATA-GATHERING SESSION NOT OPEN TO THE PUBLIC

Keck Center

9:00 am

Welcome and introductions

Bob Dynes

9:10

NNSA roundtable discussions on classified aspects of dilute and dispose plans and updates to security planning

Speaker To Be Determined

10:30

Impacts of Dilute and Dispose plans on existing WIPP security processes

Greg Sahd, DOE CBFO

11:30 **End data gathering session**

Note: The data gathering session of this meeting to be held on April 18, 2019, from 9:00 am – 11:30 am, EDT, will not be open to the public under Subsection 15(b)(3) of the Federal Advisory Committee Act, 5 U.S.C. App. The Academy has determined that to open this session to the public would disclose information described in 5 U.S.C. 552(b).