

NOTICE

Sandia National Laboratories Hazardous Waste Permit Renewal Request EPA ID NM5890110518

March 2024

Sandia National Laboratories

Sandia National Laboratories (SNL) is a multi-mission laboratory managed and operated by National Technology & Engineering Solutions of Sandia, LLC, (NTESS), a wholly owned subsidiary of Honeywell International Inc. for the United States (U.S.) Department of Energy's (DOE) National Nuclear Security Administration (NNSA). The original mission, to provide engineering design, systems engineering, and integration for the nonnuclear components of the nation's nuclear weapons, continues today. SNL also has major research and development responsibilities in nuclear deterrence, global security, defense, energy technologies and economic competitiveness. The unique mission responsibilities create a foundation to leverage capabilities to solve complex national security problems. The SNL facility in Albuquerque New Mexico (SNL/NM) is located on Kirtland Air Force Base. The mailing address is PO Box 5800, Albuquerque New Mexico 87185.

SNL personnel generate hazardous and mixed wastes during ongoing operations in support of the objectives listed above. Operations at SNL/NM include research and development, testing, production, maintenance, decommissioning, demolition, and waste management. Hazardous wastes are wastes that are dangerous or potentially harmful to human health or the environment. Mixed wastes are wastes that have both a radioactive and hazardous component.

Hazardous and mixed waste management activities at SNL/NM are subject to two permits issued by the New Mexico Environment Department (NMED):

- Resource Conservation and Recovery Act Facility Operating Permit Number NM5890110518 (the Permit). The Permit took effect February 26, 2015, and expires on February 25, 2025.
- Post Closure Care Permit for the Chemical Waste Landfill (PCCP). The PCCP took effect June 2, 2011, and expired on June 1, 2021. Because the DOE/NNSA and NTESS submitted a timely application for renewal of the permit, it remains in effect until the NMED makes a final decision regarding renewal.

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Summary of Permit Renewal Request

The permit renewal request will describe the following waste management operations:

- At the Hazardous Waste Handling Unit and five Manzano Storage Bunkers, hazardous and mixed wastes are stored in containers and packaged for shipment to permitted off-site facilities for additional treatment (if needed) and disposal.
- At the Radioactive and Mixed Waste Management Unit and the Auxiliary Hot Cell Unit, hazardous and mixed wastes are stored, treated, and packaged for shipment permitted off-site facilities for additional treatment (if needed) and disposal.
- The Thermal Treatment Unit is used for open burning treatment of extremely sensitive hazardous waste explosives that cannot be safely transported off site for treatment.
- The Chemical Waste Landfill (CWL) and the Corrective Action Management Unit (CAMU) are undergoing post-closure care to minimize hazards to human health and the environment. The CWL was used for disposal of hazardous wastes; the wastes and contaminated soils were excavated during closure. Groundwater under the landfill is contaminated, and some residual soil contamination is present. The CAMU is used for long-term containment of contaminated soils that were excavated from the CWL during closure.
- A room where mixed wastes were stored will also undergo post-closure care to minimize hazards to human health and the environment due to residual contamination.
- The DOE/NNSA and NTESS have completed corrective action at 311 solid waste management units and areas of concern at SNL/NM. Long-term monitoring and maintenance is conducted at 25 of these locations to minimize hazards to human health and the environment due to residual contamination.

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Upcoming In-Person Public Meeting

The DOE/NNSA and NTESS will provide information about SNL hazardous and hazardous/radioactive mixed waste management activities and the permit renewal request at an in-person poster session:

Tuesday, April 23, 2024
6:00 p.m. – 8:00 p.m.
New Mexico Veterans' Memorial
1100 Louisiana Blvd SE, Albuquerque, New Mexico

All interested persons are invited to attend, and questions are welcome. For further information about the meeting, contact Dr. Adria Bodour at envinfo@sandia.gov or at (505) 845-6930. The location has accessible parking and meeting room. If you need other special access to attend the meeting, please contact Dr. Bodour at least 72 hours before the meeting.

Contacts For Additional Information

Department of Energy/National Nuclear Security Administration Contacts. Dr. Adria Bodour, (505) 845-6930 and Dr. Linda Tello (505) 845-6706.

Sandia National Laboratories Contact. Anita Reiser, (505) 284-4048 and Dezbah Jesus (505) 681-4368.

New Mexico Environment Department Contact. Neelam Dhawan, (505) 476-6000.



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