

fact sheet

Los Alamos National Laboratories, Sandia National Laboratories and Other Facilities

Prepared by the State of New Mexico

Purpose of facility operation

Los Alamos National Laboratories (LANL) is used for scientific research and research, development and testing of nuclear weapons.

Sandia National Laboratories (SNL) is used by the Department of Energy as a multiprogram research and development laboratory for nuclear weapons, energy and other programs of national importance.

The Inhalation Toxicologic Research Institute (ITRI) conducts research based on toxicology and inhalation studies.

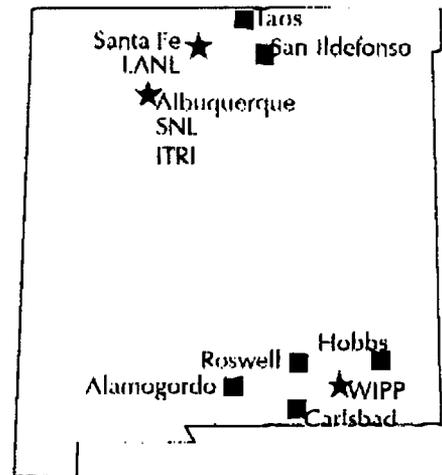
The Waste Isolation Pilot Plant (WIPP) will be used for disposal of defense-related transuranic (TRU) and TRU mixed waste.

Facility area of impact

The LANL economic and environmental impact areas cover a 150-mile radius, including Espanola, Los Alamos, Pojoaque/El Rancho, Santa Fe, Cochiti and the San Ildefonso Pueblo.

The ITRI and SNL economic impact areas cover a 150-mile radius; the ITRI environmental impact area covers a more than 50-mile radius; the SNL environmental impact area covers a 150-mile radius. Included in this area are Albuquerque, Cedar Crest, Bernalillo/Sandoval County and the Isleta Pueblo.

The WIPP economic impact area covers a 100+-mile radius, including Carlsbad; the environmental impact is unknown.



State or tribal interest in cleanup

At all sites, surface water quality (including storm water runoff and waste treatment effluent) are of concern. Also of concern at the sites are ground water protection, contaminant source removal and containment, fugitive air emissions, unexploded ordinance from historical test areas, arc site identification and preservation, and future land use and associated risk scenarios.

LANL Incomplete hydrological knowledge prevents the accurate assessment of operations on groundwater. The sites need to be cleaned up or stabilized to prevent groundwater impacts. In addition, many Native American archeological sites are located on LANL property.

SNL The state wants to ensure that contaminated sites are remediated or stabilized so that there will be no adverse effects for the citizens or environs of New Mexico.

ITRI The state wants to ensure that radionuclides and hazardous materials are not disposed in a manner that would be detrimental to the citizens or environs of the state.

WIPP This site currently is not permitted to operate. An application review for disposal of TRU mixed wastes at WIPP currently is being conducted.

Involvement with site

The New Mexico Environment Department is the regulatory agency for environmental programs at all four sites. The department receives funding from the U.S. Environmental Protection Agency and the state. The department also implements an oversight program under an Agreement in Principle between the Department of Energy and the state. The oversight program is funded by DOE grants.

State and Tribal Government Workir



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(Fact Sheet, Groundwater)

Interaction with DOE

New Mexico is involved with environmental restoration at LANL and SNL with the following program areas.

- The New Mexico Environment Department agreement in principle oversight program for the past five years has provided technical recommendations to DOE, DOE contractors, the U.S. EPA and state regulatory programs.

- The New Mexico Environment Department Hazardous and Radioactive Materials Bureau has overscen RCRA TSD regulation for 10 years and is in the process of becoming HSWA authorized. *implemented*

- The New Mexico Environment Department Water Quality Bureau is authorized to conduct inspections of NPDES outfalls and storm water drainage from the sites.

- The New Mexico Environment Department Air Quality Bureau regulates NESHOP emissions from permitted stacks and is in the process of becoming authorized for radionuclide NESHAPS.

Interaction occurs as needed, generally on a daily basis.

State or tribal regulatory duties at facility

New Mexico enforces RCRA, the Clean Air Act, the Clean Water Act and the Safe Drinking Water Act at the sites.

Interaction with other groups affected by the facility

New Mexico has regulatory interaction with other states, the U.S. Environmental Protection Agency, state and national DOE offices and Indian tribes. The state also participates in two site-specific advisory boards and interacts with local and national citizen groups and other affected groups and agencies. Special projects are an air monitoring initiative that includes pueblo lands and water sampling trips on the river that bisects pueblo lands.

Issues of highest priority for cleanup

A member of the DOE Oversight Bureau prioritizes the issues as follows.

1. Public participation and DOE communication with stakeholders.
2. Identification and characterization of ground water contamination.
3. Determination of future land use and application of land use scenarios to the development of cleanup standards.
4. Management of wastes derived from remediation work.

Other comments

State or tribal contact

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Neil, ^{FR}
1 minor revision
just
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Telecopy to: Neil Weber

From: Leann Stelzer

Message: Attached is a completed fact sheet for New Mexico. I tried to incorporate comments from both you and Benito Garcia. Please make any necessary additions or changes and return to me as soon as possible. Thanks for your assistance!

P.S. I could split into two fact sheets if you think it would be more understandable.

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