

# By the Numbers Los Alamos National Laboratory

Los Alamos National Laboratory (LANL), located in Los Alamos, New Mexico, was established in 1943 as Site Y of the Manhattan Project for a single purpose: to design and build an atomic bomb. It took just 20 months to detonate the world's first atomic bomb 200 miles south of Los Alamos at the Trinity Site on the Alamogordo bombing range. The Department of Energy's Environmental Management Los Alamos Field Office (EM-LA) investigates hazardous chemical and radioactive materials contamination as a result of past LANL operations and remediates sites where such materials are found above acceptable regulatory levels. This is known as the legacy cleanup mission.

Cleanup locations include sites of former LANL buildings, hillsides, canyon bottoms, and old landfills. Mission activities include surface and groundwater monitoring and remediation, removing contaminated soil, and decontaminating and decommissioning surplus process-contaminated buildings. Cleanup of contaminated sites follows the 2016 Compliance Order on Consent with the New Mexico Environment Department.

Additionally, EM-LA retrieves, remediates, packages, and disposes of radioactive waste. Most low level and mixed low-level waste is transported from LANL and disposed of in commercial licensed facilities, while transuranic (TRU) waste is disposed of at the Waste Isolation Pilot Plant (WIPP), located in Carlsbad, New Mexico.

## 2,100

**contaminated sites** were originally identified for action, ranging from small spills to large landfills.

## 28 buildings

**demolished**, installation of 1 regional groundwater monitoring well, and remediation of 3 Material Disposal Areas in Technical Area 21 have been completed. One building remains to be decontaminated and demolished in Technical Area 21.

## >1/2

**of legacy cleanup** has been completed.



## 63%

**of the TRU waste** stored at Area G by volume has been removed, including below-grade retrievable waste. 29 TRU waste shipments have been made in fiscal year 2021.

## By 2023

**zero buildings**, building slabs, basements, utility tunnels, and vaults will remain at Technical Area 21.

## 116

**legacy cleanup sites** were identified across what is now the Los Alamos townsite on private property, Los Alamos County property, and DOE property adjacent to Los Alamos Canyon. The last planned cleanup of these legacy sites in the Los Alamos townsite was completed in March 2019.

## 36

**monitoring, extraction and injection wells** have been installed in and around the hexavalent chromium plume at LANL. These wells and associated infrastructure support the efforts to characterize the plume and to halt the plume's migration via an Interim Measure.

## 9 wells

**to monitor groundwater installed** in and around the RDX contamination in Technical Area 16.



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