

Los Alamos Legacy Cleanup

2018-2026

Message from the President



I am pleased to share N3B's many successes under the first five years of the Los Alamos Legacy Cleanup Contract (April 2018-2023) and to chart our next three years. DOE's decision to award a three-year contract extension is a direct reflection of our team's hard work and commitment to this important project.

Our April 2023-2026 contract term captures an important and challenging work scope. Through this work, we will continue to protect water quality, clean up the land and ship waste off-site. We'll also continue to ensure "Safety First, Safety Always" as we plan and execute our work.

-Brad Smith

Accomplishments: April 2018-2023



PROTECT WATER QUALITY

- Treated more than 420 million gallons of groundwater contaminated with hexavalent chromium
- Collected more than 17,000 water samples on and around LANL property
- Installed 136 structures to mitigate potential migration of contaminated storm water runoff
- Conducted more than 9,300 storm water control inspections

Purchased
\$300 million
in goods and services
from small businesses



CLEAN UP THE LAND

- Investigated and remediated more than 280 contaminated legacy waste sites
- Completed work on two campaigns outlined in the 2016 Consent Order with the state of New Mexico (NMED), the main legacy cleanup regulatory agreement
- Completed work in three Aggregate Areas, a program to address historical contamination across canyons and drainages throughout LANL
- Collected more than 10,000 soil and sediment samples

78 of 79
Consent Order
milestones
completed on
schedule as agreed
to with the New
Mexico Environment
Department (NMED)



SHIP WASTE OFF-SITE

- Completed 152 transuranic (TRU) waste shipments to the Waste Isolation Pilot Plant (WIPP) near Carlsbad, New Mexico
- Initiated retrievals of Corrugated Metal Pipes (CMPs), N3B's first below-ground TRU waste retrieval
- Shipped more than 15,500 cubic meters of waste off-site for disposal, including the equivalent of 55,147 55-gallon drums of low-level and mixed low-level waste

23.08.24 NCW Handout_Final

Los Alamos Legacy Cleanup 2018-2026

Looking Ahead: 2023-2026 Work Scope

The 2023-2026 work scope enables the Department of Energy and N3B to drive cleanup progress safely and efficiently. The scope includes continuing to treat groundwater contaminated with hexavalent chromium, a known carcinogen, while developing a long-term remedy; continuing remediating Cold War sites while identifying solutions to address historical contamination at former waste disposal sites; and shipping TRU waste to WIPP, including CMPs, while planning for the remediation of additional below-ground disposal sites.

Highlights: April 2023-2026



PROTECT WATER QUALITY

- Continue to evaluate final remediation strategies for the hexavalent chromium plume
- Prepare and submit to NMED the recommended final remedy for hexavalent chromium
- Develop 11 new wells to characterize and treat contaminated groundwater



CLEAN UP THE LAND

- Complete Southern External Boundary Aggregate Area campaign
- Continue characterizing historical contamination and remediating sites throughout LANL
- Investigate and remediate as necessary more than 220 sites
- Submit to NMED for approval cleanup plans for nine historical waste disposal sites
- Secure final, validated sampling results for soils at Middle DP Road on lands slated for development



SHIP WASTE OFF-SITE

- Continue shipping TRU waste to WIPP, averaging 40 shipments per year
- Prepare all CMPs for off-site disposal and begin shipping waste
- Characterize approximately 200 TRU waste containers
- Complete readiness activities for Pit 9 below-ground TRU waste retrievals
- Complete the safety basis to expand TRU waste processing



Mobile loading at TA-54



Safety

Our employees and subcontractors work to the highest standards of safety.



Discipline

We set clear goals and execute our plans with the end in mind.



Competence

We have the staff and expertise to ensure our mission is met.