



Highlights of the Month

- **Consent Order:** Met two 2016 Consent Order fiscal year (FY) 2023 milestones agreed upon with New Mexico Environment Department (NMED)
 - Milestone #8: Submitted to NMED for review and approval Phase II Investigation Report for North Ancho Canyon Aggregate Area. The report signals the end of remediation activities.
 - Milestone #11: Submitted to NMED for review and approval Phase II Investigation Report for Threemile Canyon Aggregate Area. The report signals the end of remediation activities.
- Completed 20 shipments of waste off-site, totaling 273.99 cubic meters (m³), enough waste to fill more than 1,315 55-gallon drums
- As part of N3B's commitment to operational excellence, including an emphasis on safety, initiated a Stop Work Action at Technical Area (TA)-21 and TA-54 to address workforce training requirements. Transuranic (TRU) waste shipments to the Waste Isolation Pilot Plant (WIPP) and Corrugated Metal Pipes (CMPs) retrieval and size reduction activities were paused as a result.



PROTECT WATER QUALITY

◆ ADDITIONAL ACCOMPLISHMENTS ◆

Hexavalent Chromium Plume: Remediating contaminated groundwater

- Conducted a walk-down of the planned location for a second regional monitoring well, SIMR-3, on Pueblo de San Ildefonso lands

Sample Collection: Monitoring surface water and groundwater to ensure water is protected

- Collected 458 water samples to the support water quality protection program



CLEAN UP THE LAND

◆ ADDITIONAL ACCOMPLISHMENTS ◆

Material Disposal Areas (MDAs): Securing needed data and preparing solutions to address old waste disposal sites

- MDA H – Continued developing the Corrective Measures Evaluation (CME), analyzing remedial alternatives. Report is due to NMED by September 30, 2023 (Consent Order milestone #13)

Consent Order Milestones			
	# of Milestones	Milestones Met	In Progress
FY23	14	9	5
FY22	18	18	N/A
FY18* - FY22	79	78	N/A

*3 FY18 milestones met before N3B contract start

[Click to review FY23 Consent Order Milestones](#)

Aggregate Areas: Remediating surface soils throughout LANL to protect water quality

- Potrillo and Fence Canyons Aggregate Area
 - Completed sampling for four of the nine waste units (called Solid Waste Management Units (SMWUs))
 - Began preparing progress report summarizing field work and status of site investigations. Report is due to NMED September 29, 2023 (Consent Order milestone #9)
- Twomile Canyon Aggregate Area
 - Completed 77% of initial sampling (collecting 1,821 samples since project start)
 - Prepared and sent for peer review progress report summarizing field work and status of site investigations. Report is due to NMED September 29, 2023 (Consent Order milestone #10).

Sample Collection: Collected 239 soil samples, including Twomile Canyon Aggregate Area, Threemile Canyon Aggregate Area, Potrillo-Fence Canyon Aggregate Area, and Starmer Upper Pajarito Aggregate Area. Sample collection is important to understanding the nature and extent of contamination and, in turn, determining where removal is needed to protect human and ecological health.



SHIP WASTE OFF-SITE

◆ ADDITIONAL ACCOMPLISHMENTS ◆

Off-Site Waste Shipments: Shipping hazardous and radioactive waste for off-site disposal (partial list)

- **MDPR:** Eight roll-off bins of low-level radioactive waste (LLW) to Waste Control Specialists, Andrews, Texas
- **Misc. Shipments**
 - Two roll-off bins from TA-06 to Energy Solutions, Clive, Utah
 - One tanker of water (~3,200 gallons) from hexavalent chromium well R-71 to Deer Trail, Colorado

A Look Ahead

- Secure the well R-76 permit from New Mexico Office of the State Engineer, and begin drilling well
- Finalize the MDA H Corrective Measures Evaluation report, including the recommended remedy, and submit it to NMED (Consent Order milestone #13)
- Restart retrieval and size reduction of CMPs
- Continue development of Pit 9 requirements for retrieval enclosure, venting overpack facility, and Dome 375 box processing upgrades at Area G
- Evaluate options for assay of fiberglass reinforced plywood (FRPs) in Pit 9 and finalize Pit 9 conceptual drawings.