



Highlights of the Month

- **Consent Order Milestones:** Met all five 2016 Consent Order milestones agreed upon with New Mexico Environment Department (NMED) during September 2023
 - Milestone #3: Letter documenting the start of drilling well R-76, a well to characterize and monitor hexavalent chromium contamination in the regional aquifer
 - Milestone #9: Phase II Progress Report for Potrillo and Fence Canyons Aggregate Area. The report includes an update on field investigations, including sampling activities.
 - Milestone #10: Progress Report for Twomile Canyon Aggregate Area. The report includes an update on field investigations, including sampling activities.
 - Milestone #12: Progress report Starmer/Upper Pajarito Canyon Aggregate Area. The report includes an update on field investigations, including sampling activities.
 - Milestone #13: Corrective Measures Evaluation (CME) Report for Material Disposal Area H. CME presents a remedial alternatives analysis, including the recommendation to NEMD for addressing legacy contamination.
- Completed 12 shipments of waste off-site, totaling 97.1 cubic meters (m³), enough waste to fill more than 466 55-gallon drums
- As part of N3B's commitment to operational excellence, including an emphasis on safety, resumed work at Technical Area (TA)-54 following a Stop Work Action to address workforce training requirements



PROTECT WATER QUALITY

◆ ADDITIONAL ACCOMPLISHMENTS ◆

Hexavalent Chromium Plume: Remediating contaminated groundwater

- Continued developing drilling work plan for well R-79, a well to characterize and monitor hexavalent chromium in the regional aquifer
- Continued developing drilling work plan for well SIMR-3, a characterization and monitoring well on Pueblo de San Ildefonso lands

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

- Collected 406 water samples to the support water quality protection program

Consent Order Milestones			
	# of Milestones	Milestones Met	In Progress
FY23	14	14	0
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](#)



CLEAN UP THE LAND

◆ ADDITIONAL ACCOMPLISHMENTS ◆

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

- MDA A – Received approval from NMED of the investigation work plan. The plan describes the activities to close identified data gaps.
- MDA C – Initiated the semiannual vapor monitoring program

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

- Briefed the Northern New Mexico Citizens’ Advisory Board on the Aggregate Areas program, including successful completion of all FY23 milestones



SHIP WASTE OFF-SITE

◆ ADDITIONAL ACCOMPLISHMENTS ◆

Transuranic (TRU) Waste: Preparing and shipping radioactive waste for permanent disposal to the Waste Isolation Pilot Plant (WIPP) in Carlsbad, New Mexico

- Corrugated Metal Pipes (CMPs): Resumed size reduction activities following Stop Work Action; retrievals remained on hold through September
- Pit 9: This disposal site at Area G is the next below ground retrieval of drums and fiberglass reinforced plywood boxes; current activities focus on work planning and analysis
 - Submitted soil sampling and analysis plans for subject matter expert (SME) review
 - Completed statement of work for geotechnical engineering support
- Due to the Stop Work Action to address training, did not make any shipments to WIPP during September 2023

A Look Ahead

- Continue new hexavalent chromium well developments
- Conduct Rio Grande White Rock Canyon sampling
- Complete field work at Middle DP Road Site
- Restart WIPP shipments and CMPs retrievals following August stop work order
- Continue development of Pit 9 requirements for retrieval enclosure, venting overpack facility, and Dome 375 box processing upgrades
- Start contract for design and build of Pit 9 enclosure and drum venting enclosure