



Highlights of the Month

- Completed field work at Middle DP Road, shipping more than 5,917 cubic yards of waste and debris — approximately 370 roll-off containers — were removed for disposal.
- Secured New Mexico Environment Department (NMED) approval of the Chaquehui Canyon Aggregate Area Phase III Investigation Work Plan.
- Completed shipping waste from the North Ancho Canyon Aggregate Area project.
- Completed the Annual Soil Sediment Sampling campaign, the earliest the campaign has been completed.



PROTECT WATER QUALITY

◆ ADDITIONAL ACCOMPLISHMENTS ◆

Hexavalent Chromium Plume: Remediating contaminated groundwater

- Completed monthly sampling of the chromium extraction and injection wells in Mortandad Canyon.
- Continued drilling well R-76, a well to characterize and monitor hexavalent chromium in the regional aquifer, but in late November paused drilling pending well design approval from NMED; New Mexico Office of the State Engineer subsequently suspended the permit while the parties addressed the request for permit deviation.

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

- Completed the monthly sampling program for extraction and injection wells.
- For FY24, through November 28, 2023, collected 772 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 C – Submitted to NMED comments on NMED's MDA C statement of basis decision of full exhumation and requested a public hearing.

Sample Collection: Sample collection is important to understanding the nature and extent of contamination, determining where removal is needed to protect human and ecological health, and confirmatory sampling to ensure regulatory standards are met.

- For FY24, through November 28, 2023, collected 1,020 soil and sediment samples, including 529 from the Twomile Canyon Aggregate Area, and 386 from the Starmer/Upper Pajarito Aggregate Area.

Consent Order Milestones			
	# of Milestones	Milestones Met	In Progress
FY24	TBD	TBD	N/A
FY23	14	14	N/A
FY18* - FY23	90	89	N/A

*3 FY18 milestones met before N3B contract start

[Click to review FY23 Consent Order 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.

- In mid-November, initiated a stop work for the Technical Areas 54 TRU waste program to address training documentation deficiencies.
- Prior to the stop work, completed two shipments (5.27 cubic meters (m³)), bringing the total FY24 shipment count to six shipments (21.88 m³).
- Corrugated Metal Pipes (CMPs): 158 metal pipes filled with radiologically contaminated cement.
 - Retrieved two CMPs, bringing the total number of CMPs retrieved to 24.
 - Size reduced the 15th CMP, cutting and placing the five pieces into standard waste boxes.
- Pit 9: This area is the next below ground retrieval of drums and fiberglass reinforced plywood boxes (FRPs); current activities focus on work planning and analysis.
 - Started senior management review of the cost versus buy option for heavy equipment; Pit 9 contains 30-, 55-, and 85-gallon drums and FRP containing TRU waste.
- **Waste Shipments Summary:** For FY24, through December 3, 2023, completed 29 total waste shipments, totaling 330.56 m³, equivalent to 1,588 55-gallon drums of waste.

A Look Ahead

- In Partnership with NNSA and Triad, provide a tour of LANL to NMED leadership.
- Respond to the suspension of the well R-76 permit, and issue the proposed design for well R-76 to NMED.
- Submit the Middle DP Road assessment report to NMED.
- Procure soil sacks for contaminated soils generated during CMPs retrievals.
- Pit 9
 - Issue request for proposal for ventilated enclosure design requirements, and complete excavation permit to begin site preparation.
 - Finalize and issue Pit 9 Soil Sampling and Analysis Plan.
 - Award contract for geological sampling for all areas around pit, including roads.