



## Highlights of the Month

- Conducted a tour for Greg Sosson, Associate Principal Deputy Assistant Secretary for Field Operations (EM-3). The tour included the Chromium Interim Measures treatment system at Mortandad Canyon, Technical Area (TA) 21; Corrugated Metal Pipes (CMPs) retrieval and size reduction, glovebag drill and drain, and Material at Risk (MAR) storage and process areas.
- In partnership with NNSA and its contractor, Triad, provided a tour of LANL to New Mexico Environment Department (NMED) leadership. Tour included Chromium Interim Measures treatment system at Mortandad Canyon.
- Submitted the final regulatory report for the Middle DP Road Site (MDPR) to NMED. Upon approval by NMED, this project will be considered complete and ready for Los Alamos County development.
- Installed 47 storm water controls at 15 monitoring sites, including earthen berm, rock check dams and compost wattles.



### PROTECT WATER QUALITY

#### ◆ ADDITIONAL ACCOMPLISHMENTS ◆

**Hexavalent Chromium Plume:** Remediating contaminated groundwater

- Submitted to NMED the well design for regional aquifer monitoring well R-76.
- Secured a second peer review for the regional monitoring well R-77 drilling work plan.

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

- Completed the seasonal storm water sampling shutdown.
- For fiscal year (FY) 24, through December 31, 2023, collected 977 water samples to the support water quality protection program.



### CLEAN UP THE LAND

#### ◆ ADDITIONAL ACCOMPLISHMENTS ◆

**Middle DP Road Site:** Secured from NMED notice terminating the 2022 National Pollutant Discharge Elimination System (NPDES) construction permit as construction activities have ended and all stabilization requirements have been met.

**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 December 31, 2023, collected 1,474 soil and sediment samples, including 847 from the Twomile Canyon Aggregate Area, and 522 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

- Due to stop work that was initiated in mid-November and exited in December, no shipments were made to WIPP in December.
- Corrugated Metal Pipes (CMPs): 158 metal pipes filled with radiologically contaminated cement
  - Size reduced the 17th CMP, cutting and placing the five pieces into standard waste boxes.
- Pit 9: This disposal site at Area G is the next below-ground retrieval. The area contains drums and fiberglass reinforced plywood boxes (FRPs). Current activities focus on work planning and analysis.
  - Began revising the Area of Concern and Soil Management Plan drawings.

**Waste Shipments Summary:** For FY24, through December 31, 2023, completed 31 total waste shipments; shipped 337.83 m<sup>3</sup>, equivalent to 1,623 55-gallon drums of waste.

## A Look Ahead

- Submit the regional monitoring well R-77 drilling work plan to NMED.
- Secure approval from NMED of the regional monitoring well R-76 design. The design includes the screen placement.
- MDA L – Initiate the semiannual vapor sampling.
- Chaquehui Canyon Aggregate Area – Award the Phase III investigation subcontract to complete characterization and excavation work.
- Upper Water Canyon Aggregate Area – Secure NMED approval of the investigation report for the former storage magazine (Solid Waste Management Unit 16-017(j)-99).
- Restart TRU waste shipments to WIPP.
- CMPs – Add a second shift for retrievals and size reduction activities.
- Pit 9 – Complete the initial draft of Area of Concern and Soil Management Plan drawings.