



## Highlights of the Month

- Completed the White Rock Canyon sampling campaign, a four-day event that utilized rafts and hiking along the Rio Grande. Collected samples at 20 of 25 locations. Due to water levels and wildlife (i.e., rattlesnakes) not all sites were sampled.
- Completed final Middle DP Road Site walk-down with Los Alamos County, resolving issues identified in August 2023 walk-down, and setting stage to demobilize barriers and disposition remaining waste stored at Technical Area 21 (TA-21)
- Shipped 147.06 cubic meters (m<sup>3</sup>) of waste off-site, enough to fill more than 700 55-gallon drums
- Resumed Corrugated Metal Pipe (CMPs) retrievals



### PROTECT WATER QUALITY

#### ◆ ADDITIONAL ACCOMPLISHMENTS ◆

**Hexavalent Chromium Plume:** Remediating contaminated groundwater

- Submitted to the New Mexico Environment Department (NMED) the drilling work plan for well R-79, a well to characterize and monitor hexavalent chromium in the regional aquifer
- Continued drilling well R-76, a well to characterize and monitor hexavalent chromium in the regional aquifer

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

- Collected 356 water samples to the support water quality protection program
- Initiated seasonal shut down of sampling equipment



### CLEAN UP THE LAND

#### ◆ ADDITIONAL ACCOMPLISHMENTS ◆

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

- MDA C – Completed the semiannual vapor monitoring program. VOC and tritium samples were successfully collected at 18 monitoring wells

**Sample Collection:** Collected 493 soil and sediment samples, including 209 from the Twomile Canyon Aggregate Area, and 235 from the Starmer/Upper Pajarito Aggregate Area. 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.

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

- Completed four shipments (16.61 m<sup>3</sup>), bringing the total shipment count since April 2018 to 169 shipments (543.22 m<sup>3</sup>)
- Corrugated Metal Pipes (CMPs): 158 metal pipes filled with radiologically contaminated cement
  - Retrieved one CMP, bringing the total number of CMPs retrieved to 21
  - Size reduced seven CMPs, bringing the total to 12 CMPs
- Pit 9: This disposal site at Area G is the next below ground retrieval of drums and fiberglass reinforced plywood boxes (FRPs); current activities focus on work planning and analysis
  - Issued purchase requests for heavy equipment procurements

## A Look Ahead

- Continue new hexavalent chromium well developments
- Conduct walk-down of Pit 9 area and initiate work package for inspection of waste containers through inspection portal
- Repair domes at TA-54, including
  - Revising existing work plan for Domes 229 and 230 to repair 40 holes associated with the lightning protection rods
  - Performing repairs on Dome 153 and 282
  - Receiving asphalt membrane for installation in Dome 49



Final Shipment from Middle DP Road Site