



U.S. DEPARTMENT OF  
**ENERGY**

OFFICE OF  
**ENVIRONMENTAL  
MANAGEMENT**



# Legacy Cleanup at Los Alamos National Laboratory (LANL)

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ENVIRONMENTAL MANAGEMENT  
SAFETY ♦ EFFICIENCY ♦ TRANSPARENCY



- New Mexico Environment Department (NMED) commitments
- Hexavalent chromium plume
- Transuranic (TRU) waste shipments
- Corrugated metal pipes (CMPs)
- Legacy soil contamination investigation and remediation
- Transparency and engagement with pueblos, stakeholders, and public









- EM-LA and NMED commenced an Expert Technical Review Team to assess operation of the Chromium Interim Measures
- Team evaluated five charge questions ranging from the efficacy of the Chromium Interim Measures to well design
- Factual accuracy reviews by EM-LA and NMED are in progress
- Final report is anticipated by the end of this calendar year
- Final report will be publicly available, and public meetings will be scheduled to present final findings and recommendations







*Final retrieval of 158 CMPs at Area G*

*CMP size-reduction operations in Dome 375 at Area G*







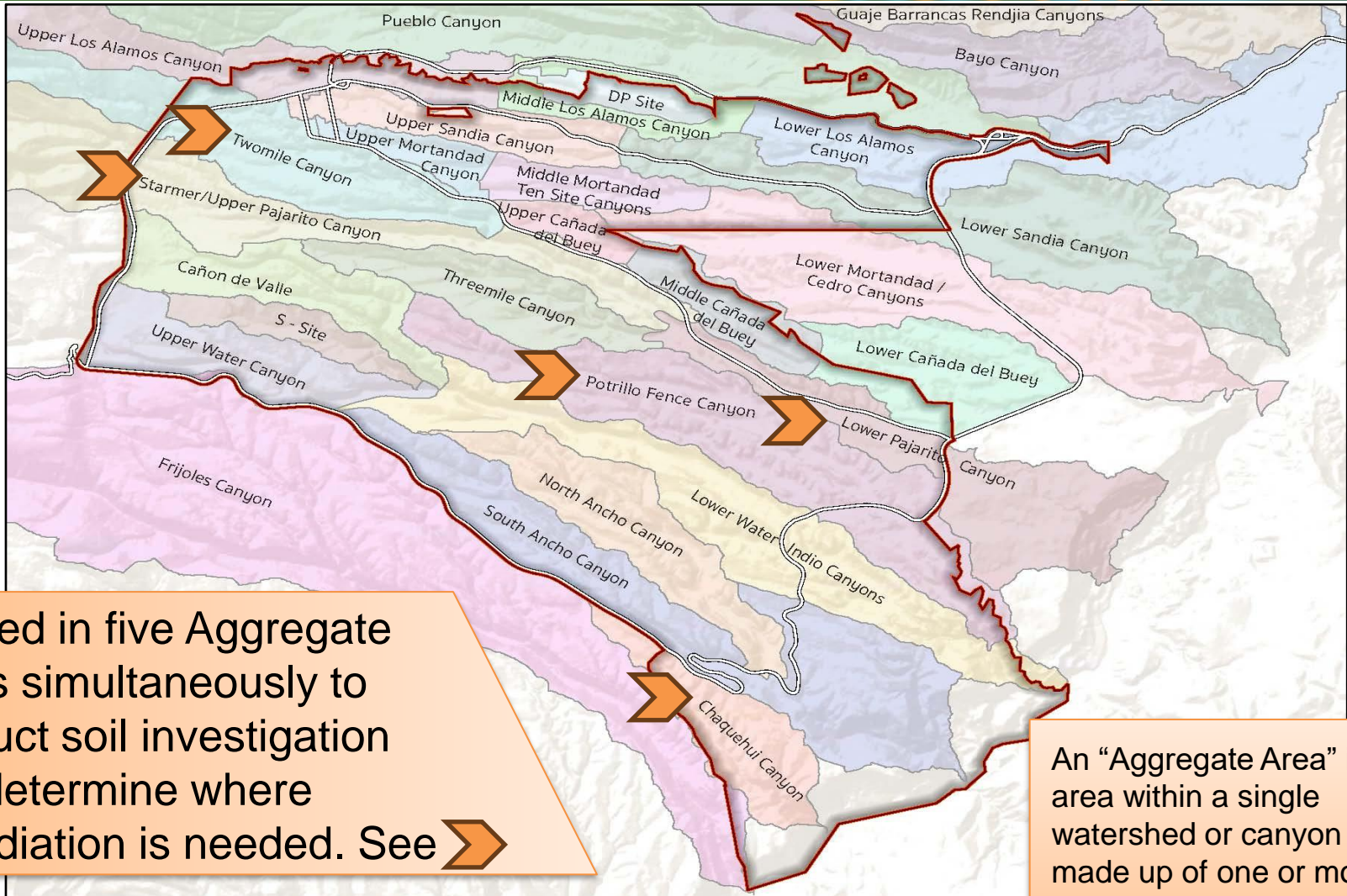
Secured regulatory approval from NMED in February 2024, confirming completion of the project; supports Los Alamos County economic development







# Aggregate Areas Work



Worked in five Aggregate Areas simultaneously to conduct soil investigation and determine where remediation is needed. See ➔

An "Aggregate Area" is an area within a single watershed or canyon made up of one or more Solid Waste Management Units or Area Of Concerns





# Fiscal Year (FY) 2024 Additional Key Accomplishments

- Completed all 15 FY 2024 Appendix B Milestones under the 2016 Compliance Order on Consent (Consent Order) with NMED
- Installed monitoring well R-76 to acquire additional data for the hexavalent chromium plume
- Shipped 22 TRU waste shipments to the Waste Isolation Pilot Plant
- Demonstrated effectiveness of new legacy waste characterization technology
- Initiated project for Ion Beam Facility Deactivation, Decommissioning, and Removal







- On August 30, 2024, the U.S. Department of Energy (DOE) and NMED executed a Settlement Agreement
- Resolves litigation regarding 2016 Consent Order, the principal regulatory document governing legacy cleanup at LANL
- Revises, but does not supersede, 2016 Consent Order
- Includes \$333,000 payment to Hazardous Waste Emergency Fund
- Intended to compromise disputed claims; it does not constitute an admission of any wrongdoing, noncompliance, or liability
- Requires NMED to complete its review of 221 Certificates of Completion within a year of execution of Revised 2016 Consent Order
- Settlement Agreement and Revised 2016 Consent Order can be found on the DOE EM-LA website under Information Center / 2016 Consent Order (<https://www.energy.gov/em-la/2016-consent-order>)

