



U.S. DEPARTMENT OF  
**ENERGY**

OFFICE OF  
**ENVIRONMENTAL  
MANAGEMENT**



# Los Alamos National Laboratory Legacy Environmental Cleanup FY21 Accomplishments

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January 6, 2022



ENVIRONMENTAL MANAGEMENT  
SAFETY ♦ PERFORMANCE ♦ CLEANUP ♦ CLOSURE



- Appendix B FY 2021 Proposed Milestones Met under the 2016 Consent Order
  - During FY 2021, NMED and EM-LA did not reach agreement on Appendix B
- FY 2021 Accomplishments
  - Sent to NMED on December 16, 2021
  - Available in the Los Alamos Legacy Waste Cleanup Electronic Public Reading Room at: <https://ext.em-la.doe.gov/epr/repofile.aspx?oid=0902e3a680101b9e&n=EMID-701810.pdf>
- FY 2022 Budget Status





# Appendix B: FY 2021 Proposed Milestones

Milestone #	Proposed Consent Order Milestone	Due Date	Submittal Date
1	Phase II Investigation Work Plan for Threemile Canyon Aggregate Area	3/3/2021	3/3/2021
2	Semiannual Performance Monitoring Progress Report of the Chromium Plume Control IM (July 2020-December 2020)	3/31/2021	3/31/2021
3	Phase II Investigation Work Plan for Chaquehui Canyon Aggregate Area	3/31/2021	3/31/2021
4	Periodic Monitoring Report for 2020 Vapor-Sampling Activities at Material Disposal Area L, Solid Waste Management Unit 54-006, at Technical Area 54	5/30/2021	5/27/2021
5	Supplemental Investigation Report for Lower Sandia Canyon Aggregate Area, Revision 1	5/31/2021	5/27/2021
6	Interim Facility-Wide Groundwater Monitoring Plan for MY2022 (October 2021-September 2022)	6/30/2021	5/27/2021
7	Assessment Report for the Evaluation of Conditions in the Regional Aquifer Around Well R-70	6/30/2021	6/30/2021





# Appendix B: FY 2021 Proposed Milestones

Milestone #	Proposed Consent Order Milestone	Due Date	Submittal Date
8	Corrective Measures Evaluation for Material Disposal Area C, Solid Waste Management Unit 50-009, at Technical Area 50, Revision 1	6/30/2021	6/30/2021
9	Phase II Investigation Report for Chaquehui Canyon Aggregate Area	8/31/2021	8/31/2021
10	Semiannual Performance Monitoring Progress Report of the Chromium Plume Control IM (January 2021-June 2021)	9/30/2021	9/30/2021
11	Investigation Report for South Ancho Canyon Aggregate Area	9/30/2021	9/29/2021
12	Investigation Report for Lower Water/Indio Canyons Aggregate Area	5/31/2021	5/27/2021
13	Phase II Investigation Work Plan for Potrillo and Fence Canyons Aggregate Area	6/30/2021	5/27/2021
Plus	Commencement of Drilling Chromium Well R-72		N/A Started 8/27/21







## Hexavalent Chromium Interim Measures and Characterization Campaign

- Interim Measure system has controlled downgradient migration and substantially reduced extent of contamination along LANL/Pueblo de San Ildefonso boundary
- Sampling (Sept 2021) of Monitoring Well R-50 showed a 92% reduction in hexavalent chromium concentration since IM commenced operation
  - Less than 25% of New Mexico groundwater standard





## Southern External Boundary Campaign

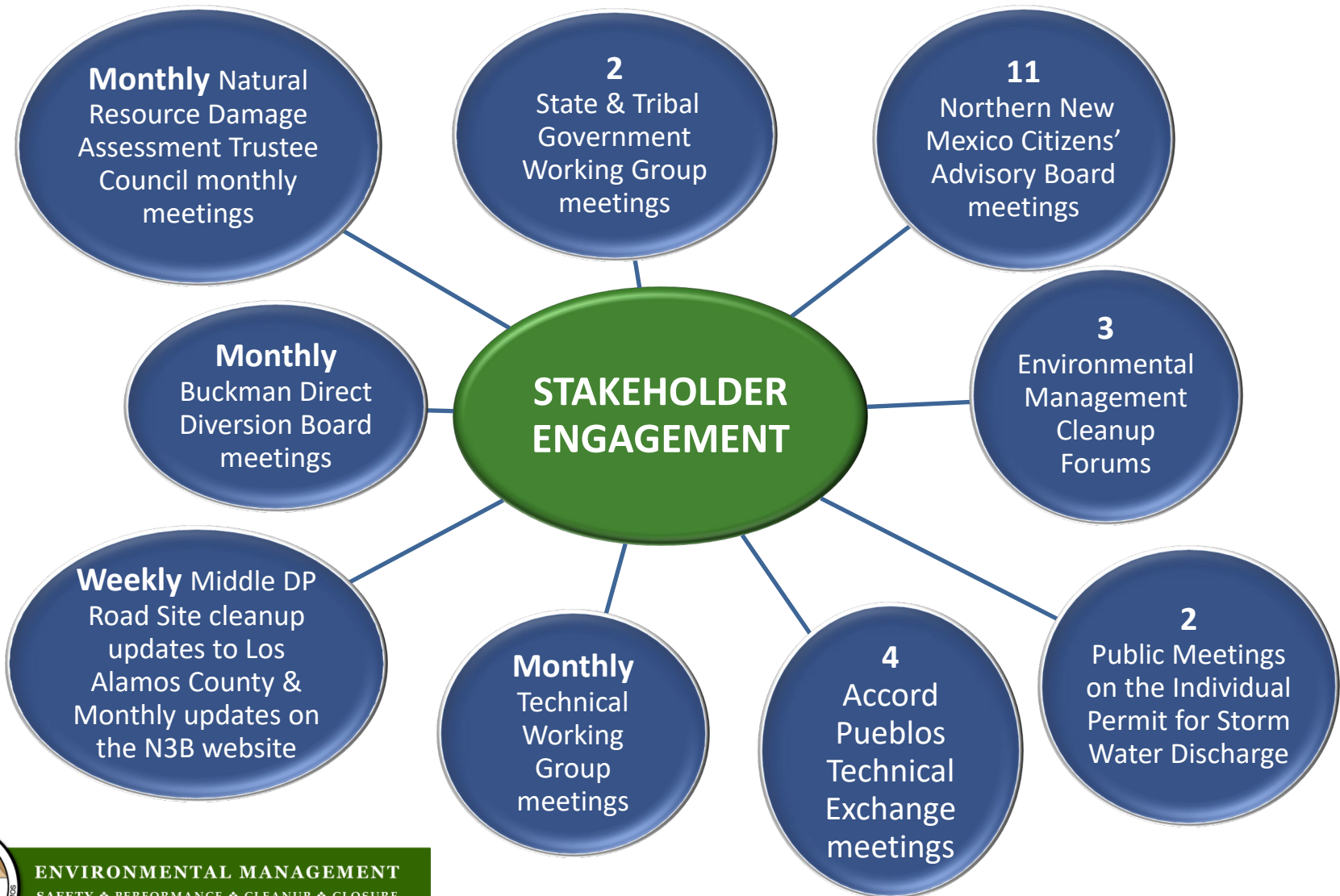
- Completed 5 FY 2021 Appendix B Proposed Milestones
- Investigation/remediation in three Aggregate Areas covering 6,457 acres
- Collected 1,031 soil samples at 361 locations
- Drilled and installed three soil vapor sampling wells
- Excavated 860 cubic yards (approximately 3,160 55-gallon drum equivalents) of contaminated soil and debris
- Transported 316 cubic yards (about 1,160 55-gallon drum equivalents) of contaminated soil and debris offsite for disposal







# FY 2021 Accomplishment Highlights continued:





- EM-LA is currently operating under a continuing resolution (CR) authority (\$226M for FY 2021) through February 28, 2022
- Appendix B FY 2022 Milestones developed with \$226M CR budget
- If Congress appropriates additional funds, EM-LA will work with NMED on prioritizing additional work scope







## EM-LA welcomes feedback on the LANL Legacy Cleanup Project

Email us at: [LegacyCleanupFeedback@em-la.doe.gov](mailto:LegacyCleanupFeedback@em-la.doe.gov)

Or

Submit feedback at: <https://n3b-la.com/>

