Los Alamos National Laboratory
Legacy Environmental Cleanup
FY21 Accomplishments

Lee Bishop, Director
Office of Quality and Regulatory Compliance
Environmental Management Los Alamos Field Office
January 6, 2022
Today’s Topics

➢ Appendix B FY 2021 Proposed Milestones Met under the 2016 Consent Order
  o During FY 2021, NMED and EM-LA did not reach agreement on Appendix B

➢ FY 2021 Accomplishments
  o Sent to NMED on December 16, 2021

➢ FY 2022 Budget Status
## Appendix B: FY 2021 Proposed Milestones

<table>
<thead>
<tr>
<th>Milestone #</th>
<th>Proposed Consent Order Milestone</th>
<th>Due Date</th>
<th>Submittal Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Phase II Investigation Work Plan for Chaquehui Canyon Aggregate Area</td>
<td>3/31/2021</td>
<td>3/31/2021</td>
</tr>
<tr>
<td>5</td>
<td>Supplemental Investigation Report for Lower Sandia Canyon Aggregate Area, Revision 1</td>
<td>5/31/2021</td>
<td>5/27/2021</td>
</tr>
</tbody>
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<tr>
<td>8</td>
<td>Corrective Measures Evaluation for Material Disposal Area C, Solid Waste Management Unit 50-009, at Technical Area 50, Revision 1</td>
<td>6/30/2021</td>
<td>6/30/2021</td>
</tr>
<tr>
<td>9</td>
<td>Phase II Investigation Report for Chaquehui Canyon Aggregate Area</td>
<td>8/31/2021</td>
<td>8/31/2021</td>
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<tr>
<td>10</td>
<td>Semiannual Performance Monitoring Progress Report of the Chromium Plume Control IM (January 2021-June 2021)</td>
<td>9/30/2021</td>
<td>9/30/2021</td>
</tr>
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<td>11</td>
<td>Investigation Report for South Ancho Canyon Aggregate Area</td>
<td>9/30/2021</td>
<td>9/29/2021</td>
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<tr>
<td>13</td>
<td>Phase II Investigation Work Plan for Potrillo and Fence Canyons Aggregate Area</td>
<td>6/30/2021</td>
<td>5/27/2021</td>
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<tr>
<td>Plus</td>
<td>Commencement of Drilling Chromium Well R-72</td>
<td>N/A</td>
<td>Started 8/27/21</td>
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FY 2021 Accomplishment Highlights:

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:

- **Monthly** Natural Resource Damage Assessment Trustee Council monthly meetings
- **Monthly** Buckman Direct Diversion Board meetings
- **Weekly** Middle DP Road Site cleanup updates to Los Alamos County & Monthly updates on the N3B website
- **Monthly** Technical Working Group meetings
- **2** State & Tribal Government Working Group meetings
- **11** Northern New Mexico Citizens’ Advisory Board meetings
- **3** Environmental Management Cleanup Forums
- **4** Accord Pueblos Technical Exchange meetings
- **2** Public Meetings on the Individual Permit for Storm Water Discharge
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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

Or

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