



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**



Los Alamos National Laboratory's Chromium Project

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ENVIRONMENTAL MANAGEMENT
SAFETY ♦ EFFICIENCY ♦ TRANSPARENCY



Actions Taken So Far

- Since elevated hexavalent chromium concentrations were discovered in one well on Los Alamos National Laboratory (LANL) property in 2005, DOE has taken the following actions:
 - Installed 25 monitoring wells to characterize and monitor plume extent and behavior
 - Developed comprehensive groundwater model to guide installation of wells and to support a better understanding of the plume
 - Planned and implemented an Interim Measure (IM) consisting of 5 extraction and 5 injection wells, groundwater treatment system, and 3 miles of piping necessary to arrest migration of the downgradient edge of the plume
 - Operating the IM along LANL's boundary with the Pueblo de San Ildefonso for over one year, successfully shrinking the plume along the southern boundary
 - Pumped and treated over 103 million gallons of water from the plume
 - Developing plans to install two additional monitoring wells to better characterize the northwestern and southwestern portions of the plume
 - Spent over \$90M to characterize the plume, arrest its migration through operation of the IM, and study remedial options for a final remedy





Transitioning from the Interim Measure to the Final Remedy

Interim Measure

- Full implementation of the IM is scheduled in calendar year 2019
- Continue studies to evaluate possible components of the final remedy
- Submit Corrective Measures Evaluation report to NMED 2021

Transition from Interim Measure to a Final Remedy

- Conduct stakeholder engagement meetings on the Final Remedy
- NMED solicits public input and issues Statement of Basis for Final Remedy
- Continue operating the IM

Final Remedy

- Submit Corrective Measures Implementation Plan to NMED 2023/2024
- Continue operating the IM
- Install and operate final remedy starting in 2025
- Long-term operation and monitoring of final remedy

