

HISTORY -

From 1956 to 1972, workers at a non-nuclear power plant at LANL periodically flushed chromium-contaminated water from the cooling towers into Sandia Canyon. Chromium was commonly used as a corrosion inhibitor. The water flowed down Sandia Canyon as surface water, penetrated the underlying rock layers, and in time seeped into the regional aquifer beneath Sandia and Mortandad canyons. LANL ceased releasing chromium-contaminated water in 1972.

(LANL)

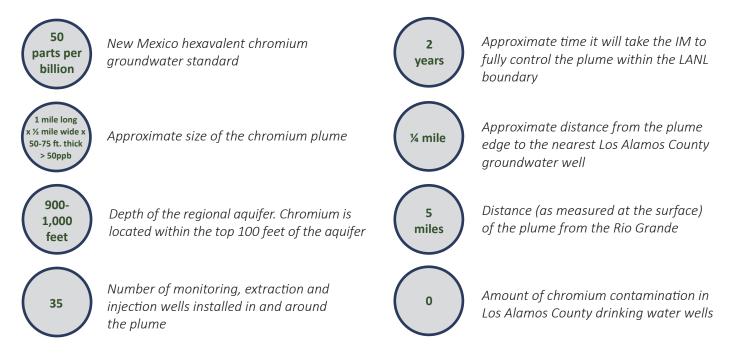
PROJECT STATUS AS OF SEPTEMBER 2018

investigating the final remedy

> Implementing the Interim Measure along the southern edge of the chromium plume
> Preparing to implement the remaining portion of the IM along the eastern edge of the plume
> Evaluating final remedy options

BY THE NUMBERS

os Alamos



Produced by Los Alamos Legacy Cleanup Contractor, N3B Los Alamos, on behalf of DOE's Environmental Management Los Alamos Field Office

CHROMIUM INTERIM MEASURE AT A GLANCE

An interim measure is a set of actions that have a high probability of meeting environmental protection goals until a final remedy is implemented. In the case of the chromium plume, a combination of extraction, treatment, and injection is being used to control plume migration and hold it within the LANL boundary.

WHY IT'S NEEDED

The Interim Measure, approved by the New Mexico Environment Department, is needed to address plume growth.

WHAT IT IS

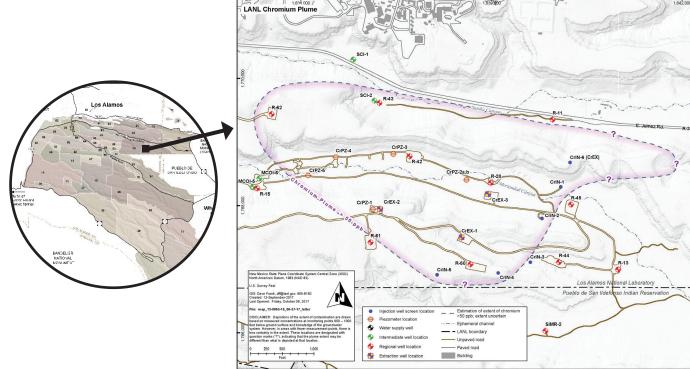
The Interim Measure consists of extraction and injection wells, a centrally located treatment system, and piping and infrastructure tying it all together.

HOW IT WORKS

Contaminated water is extracted and treated. The treated water is then injected along the plume edge. Chromium concentrations will be reduced at the plume edge and the plume footprint will be reduced in size.

WHAT'S NEXT

The Interim Measure will take place over the next several years until a final remedy has been identified and implemented. Optimization will include converting injection well CrIN-6 to an extraction well in early fiscal year 2019.

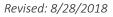


FINAL REMEDY

DOE's Environmental Management Los Alamos Field Office and its contractor, N3B, are investigating potential remedy options for remediating the plume. Public review and comment is integral to the decision-making process.

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