



Applied Research Program

Haley & Aldrich's Applied Research Program advances industry capabilities to minimize clients' costs and shorten project timelines.-

Innovative solutions for urgent environmental challenges

Whether dealing with emerging contaminants or climate change, our clients often face problems that have no solutions yet.-

That's where Haley & Aldrich's Applied Research Program comes in: We research and develop ways to tackle the difficult environmental problems we face today as well as the problems we see on the horizon.-

Haley & Aldrich researchers have developed technologies to remediate contaminants — such as [PFAS](#)- (also known as per- and polyfluoroalkyl substances) and 1,4-dioxane — that previously had few effective treatment options. They've developed [novel methods](#) to map the presence of chemicals in groundwater. They've advanced the field of heat mitigation, building our resilience to the effects of climate change. Some of these innovations have become industry

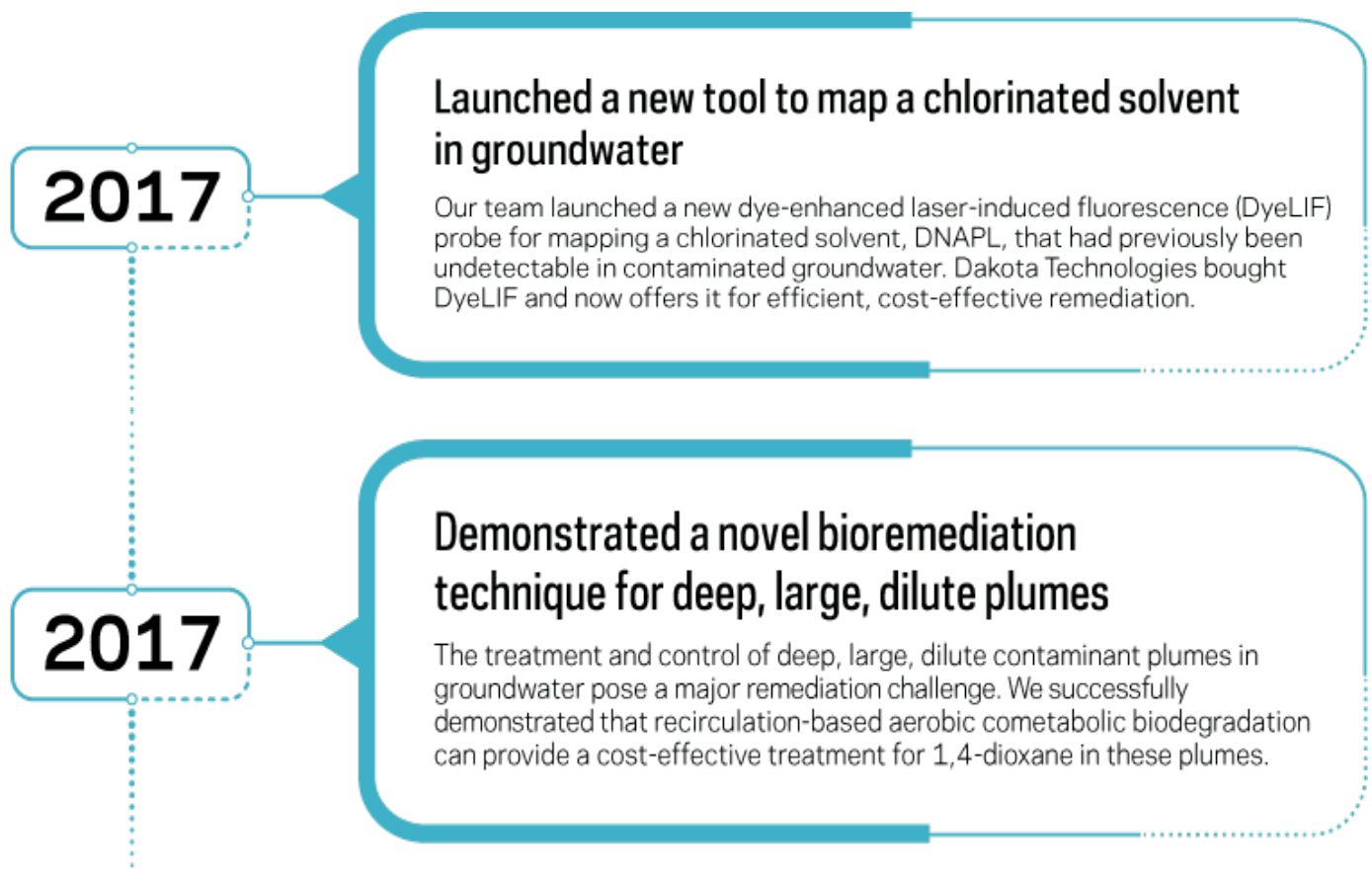
standard approaches.–

The Applied Research Program’s scientists and engineers often collaborate with university research centers and government agencies — namely, the Department of Defense’s [environmental research programs](#). They also collaborate with clients, partnering to field-test emerging technologies and methods to realize the benefits of new approaches.–

Environmental challenges will never stop evolving, so neither will we. [Learn more](#) about the current Applied Research Program projects.–

Applied Research Program milestones

description of the timeline



2018

Developed a reliable method for analyzing low levels of 1,4-dioxane in groundwater

We developed a reliable method for performing compound-specific isotope analysis on low levels of 1,4-dioxane in groundwater, which...

2023

Published a practical geologic modeling guide for DOD contractors

To assist Department of Defense contractors with remediation projects, we developed a straightforward guide to creating optimized numerical models using environmental sequence stratigraphy. This modeling approach can support more efficient, accurate groundwater remediation solutions.

2025

Successfully field-tested an innovative PFAS destruction technology

We tested our technology EradiFluor, which had safely destroyed PFAS in a lab, at a U.S. Navy site. The test showed that EradiFluor could destroy PFAS to levels below the EPA's stringent requirements in the field, at low cost and in ambient conditions.

People are our greatest asset. Get to know the Haley & Aldrich team.

Geometric Decoration

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Get in touch with Haley & Aldrich today