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SOLUTION OVERVIEW

Allonnia 1,4 D-Stroy™

A 1,4-DIOXANE BIOREMEDIATION SOLUTION FOR PRECISION DELIVERY IN SITU

The detectives working in Allonnia's labs have discovered naturally occurring bacterium with an affinity to derive their energy from 1,4-dioxane — metabolizing it into just water and carbon dioxide and rendering it completely harmless.

Allonnia's engineers have developed and tested the 1,4 D-Stroy system — designed to deliver billions of these hero bacteria precisely into plumes of 1,4-dioxane contamination at contaminated sites.

The system is easy and convenient to operate on-site to deliver the required volume of bacteria directly into contaminated groundwater at prescribed depths and intervals.



PROVEN

Allonnia engineers have deployed the 1,4 D-Stroy bacteria delivery solution with results in excess of 99% bioremediation.



LOW OPERATING COST

The 1,4 D-Stroy solution leverages a reusable vessel that is delivered on-site for quick, precise dosing directly into underground contamination; typically in one dose.



ZERO CAPITAL COST

The 1,4 D-Stroy in situ bioremediation solution delivers bacteria through standard boreholes or using direct-push drilling equipment. Zero capital investment is required.



SAFE

The bacteria in the 1,4 D-Stroy solution is naturally occurring and, with its 1,4-dioxane energy source exhausted, the bacteria fade away to leave a clean site for the billions of other bacteria already there.

Quick facts

Easy to use standard pipe fittings

Precise delivery through standard wells or boreholes

Portable vessel

Potential to deliver at multiple points and depths

Terra Systems

Distributor of Allonnia 1,4 D-Stroy™

www.terrasystems.net