

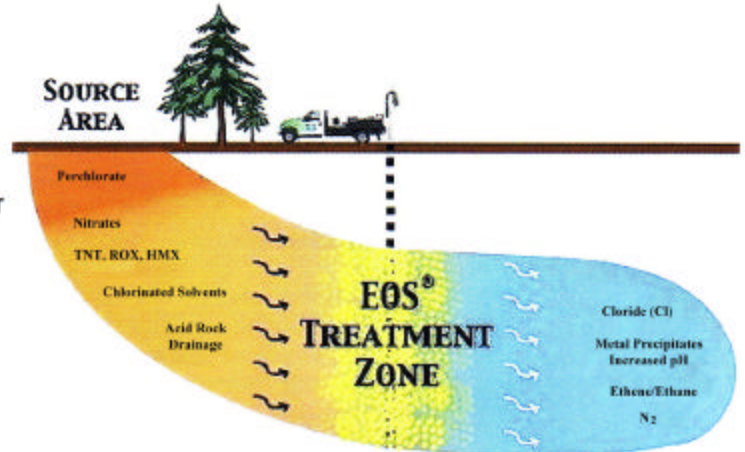


SUCCESSFUL GROUNDWATER BIOREMEDIATION ENHANCED EMULSIFIED FOOD-GRADE OIL

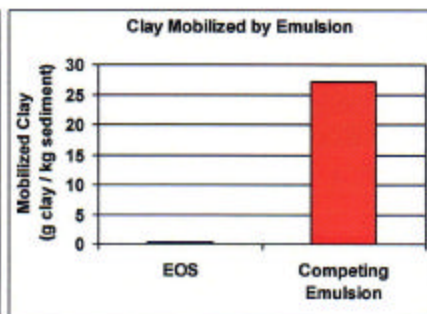
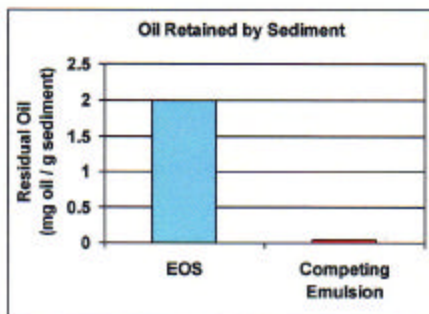
EOS[®] - Research-Driven, Proven Performance

When it comes to successful bioremediation of recalcitrant compounds, having the right talent on your team is critical. Is there another emulsified oil product represented in over 40 scientific publications by leading scientists and engineers and supported by a premier R&D program? The simple answer is "no." Our experience can't be duplicated!

In-situ anaerobic bioremediation is our specialty. Our enhanced oil emulsion EOS[®] has been independently verified by a Fortune 50 Company research center and international consulting firms as a technically superior remedial product.



- Effective:** Demonstrated clean-up of **chlorinated solvents** (e.g., PCE, TCE, DCE, TCA and DCA), energetic materials (e.g., **perchlorate**, RDX, TNT), acid rock drainage, nitrates and selected heavy metals.
DOCUMENTED REMEDIATION SUCCESS– NO GUESSING!
- Easy to inject:** Low viscosity, engineered microemulsion allows for maximum distribution from the injection point with minimal permeability loss.
FEWER INJECTION POINTS- LESS COST!
- Safe:** Soybean oil, lactate, non-ionic surfactants, macro & micronutrients, and vitamins formulated using the latest research to effectively stimulate anaerobic processes.
EXPEDITES REGULATORY APPROVAL– STARTS YOUR CLEANUP FAST!
- Long-lasting, natural time release substrate:** Jump starts the bioenhancement process followed by an extended, slow release of hydrogen and nutrients over time. EOS[®] has been confirmed to last over three years in the field with only a single injection.
NO REPEATED INJECTIONS AND NO OPERATION AND MAINTENANCE HEADACHES– LESS COST!



The adjacent graphs compare two commercially available emulsions. Three pore volumes of each product were flushed through fine clayey sand columns. EOS[®] showed good oil retention (required for long-term remediation) and minimal clay mobilization. The competing emulsion, however, was flushed away and altered the soil matrix by mobilizing the clays. **Don't let your cleanup fail. Get the experts at ORIN Remediation on your team!**

For more information please contact us at:

Phone: 608-838-6699

Fax: 608-838-6695

Email: lkinsman@orinrt.com

Web: www.orinrt.com