PetroFIX® Excavation Blend

Innovative Groundwater Treatment for Excavations Using Combined Sorption and Biodegradation

Excavations | Emergency Response | Trench Barriers

Rapid treatment of residual groundwater contamination following soil excavation — applied directly into the excavation base to intercept and treat the residual plume.



Moving a supersack of material to the excavation for standard blending with an excavator.

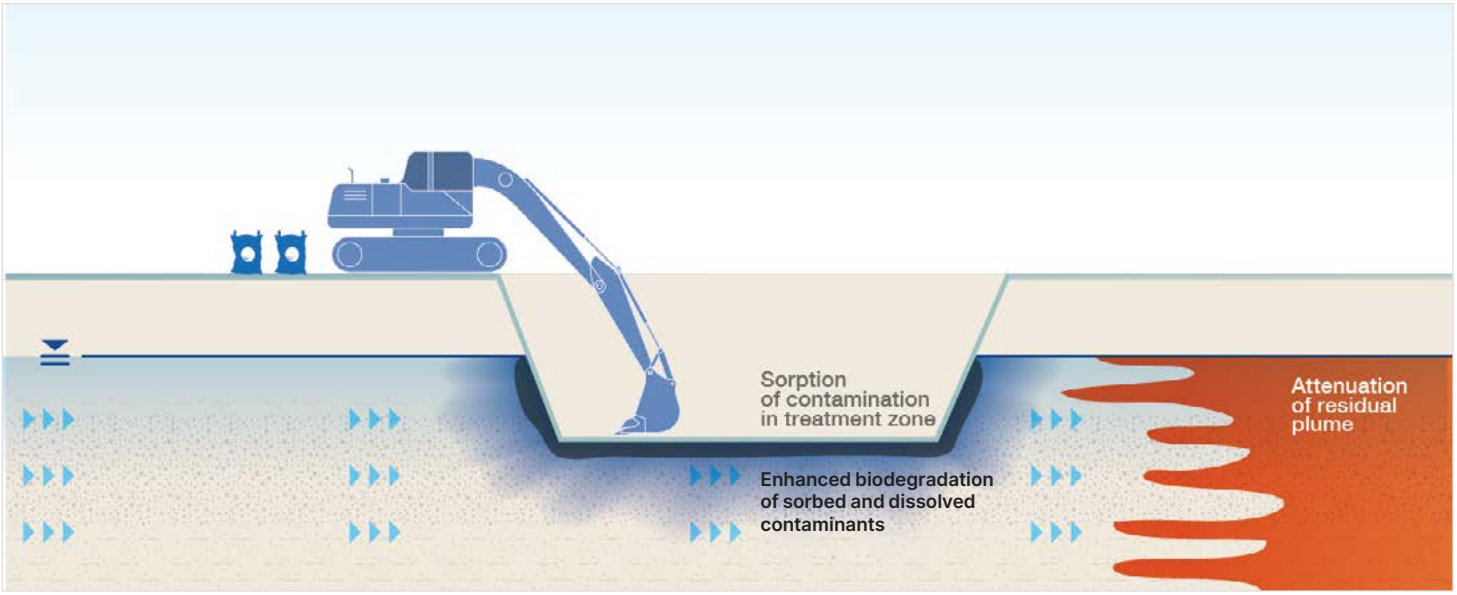
Target contaminants:

Class:	Petroleum Hydrocarbons
Examples:	BTEX, MTBE, GRO/DRO, naphthalene, PAHs, diesel, jet fuel

Two mechanisms, one application

Sorption: Colloidal activated carbon disperses to coat soil surfaces, working with powdered activated carbon to rapidly sorb dissolved contamination and hold it in place, cutting concentrations on contact.

Biodegradation: Calcium sulfate blend (CSB), supplied with the carbon, acts as an electron acceptor, kick-starting enhanced microbial biodegradation that destroys the sorbed and dissolved contaminant mass over time.



How it works

1 Widespread distribution in the treatment zone

Applied into the excavation base, the microaggregate disperses to coat exposed soil surfaces across the treatment zone.

2 Immediately sorbs and holds contamination in place

Activated carbon captures dissolved-phase contamination on contact, limiting residual plume migration.

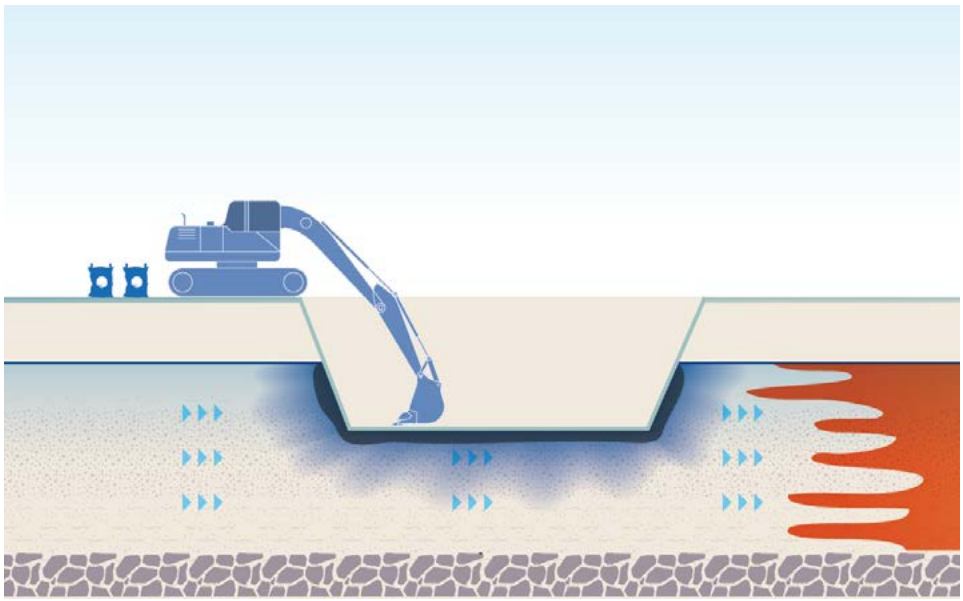
3 Kick-starts enhanced biodegradation

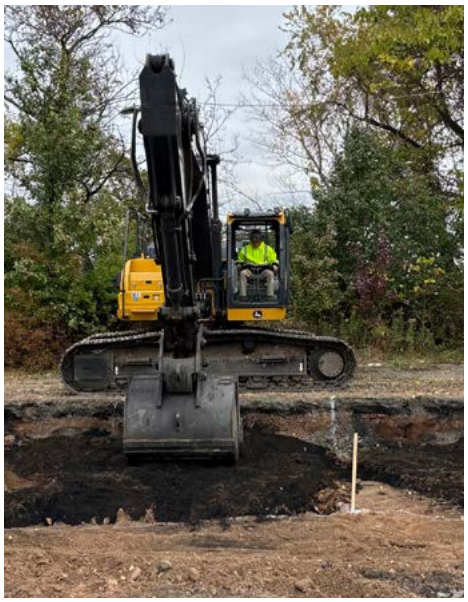
Calcium sulfate drives microbial activity that progressively destroys the sorbed and dissolved contaminant mass.

Key benefits

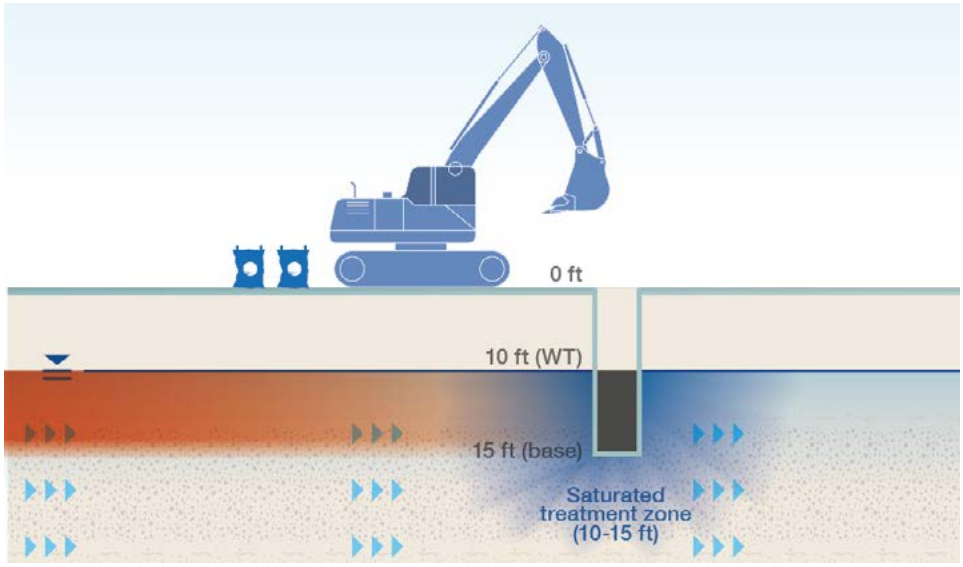
- **Cost-effective treatment:** Applied directly into the excavation base — no additional mobilization or drilling.
- **No specialist equipment:** Deployed with standard site equipment — no specialist application equipment needed.
- **Rapid risk reduction:** Cuts the head of the residual plume for immediate, measurable risk reduction.
- **Low-dust formulation:** Engineered for safer, cleaner handling and application in the field.

Easily deployed





Soil excavations: Applied directly into the excavation base — no additional mobilization or drilling.





Emergency response & trench barriers: Cuts the head of the residual plume for immediate, measurable risk reduction.

© 2026 All rights reserved. PetroFix and REGENESIS are registered trademarks of REGENESIS Bioremediation Products. All other trademarks are property of their respective owners. REG-325

REGENESIS®