RemBind®

CASE STUDY

PFAS Soil Stabilisation: Military Base

99% PFAS leachability reduction

Stakeholders
Federal Government, Land Owner, Community, Authority

Location
North Dakota, USA

Contaminant Types
PFAS (PFOS, PFOA, PFOSA, multiple compounds)

Products Used
RemBind 100

Leachability Reduction Achieved
PFAS: >99% over 19 month monitoring period

Equipment Used
Excavator

Further Resources
Platform Presentation
Peer-Reviewed Paper

Project Summary

RemBind delivered *in-situ* PFAS stabilisation at a military base fire training facility, addressing legacy AFFF contamination built up over decades of firefighting foam exercises. Concentrations at the site were high, so a field-proven treatment technology was implemented with protocols refined through bench-scale testing before being applied systematically across the site.

Project Outcomes

- Successfully treated PFAS contamination from legacy AFFF fire training activities at an active military base.
- Treatment was done on site, so there was no need to excavate soil and truck it off base, and base operations continued without disruption.
- PFAS immobilisation has held steady through 19 months of monitoring at the facility.
- The field data gives a validated basis for rolling the technology out to other military bases.
- Treatment integrity was confirmed with moisture and NMR monitoring, even under live operational conditions.
- The project establishes a protocol Defence can apply at other fire training facilities nationally.

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