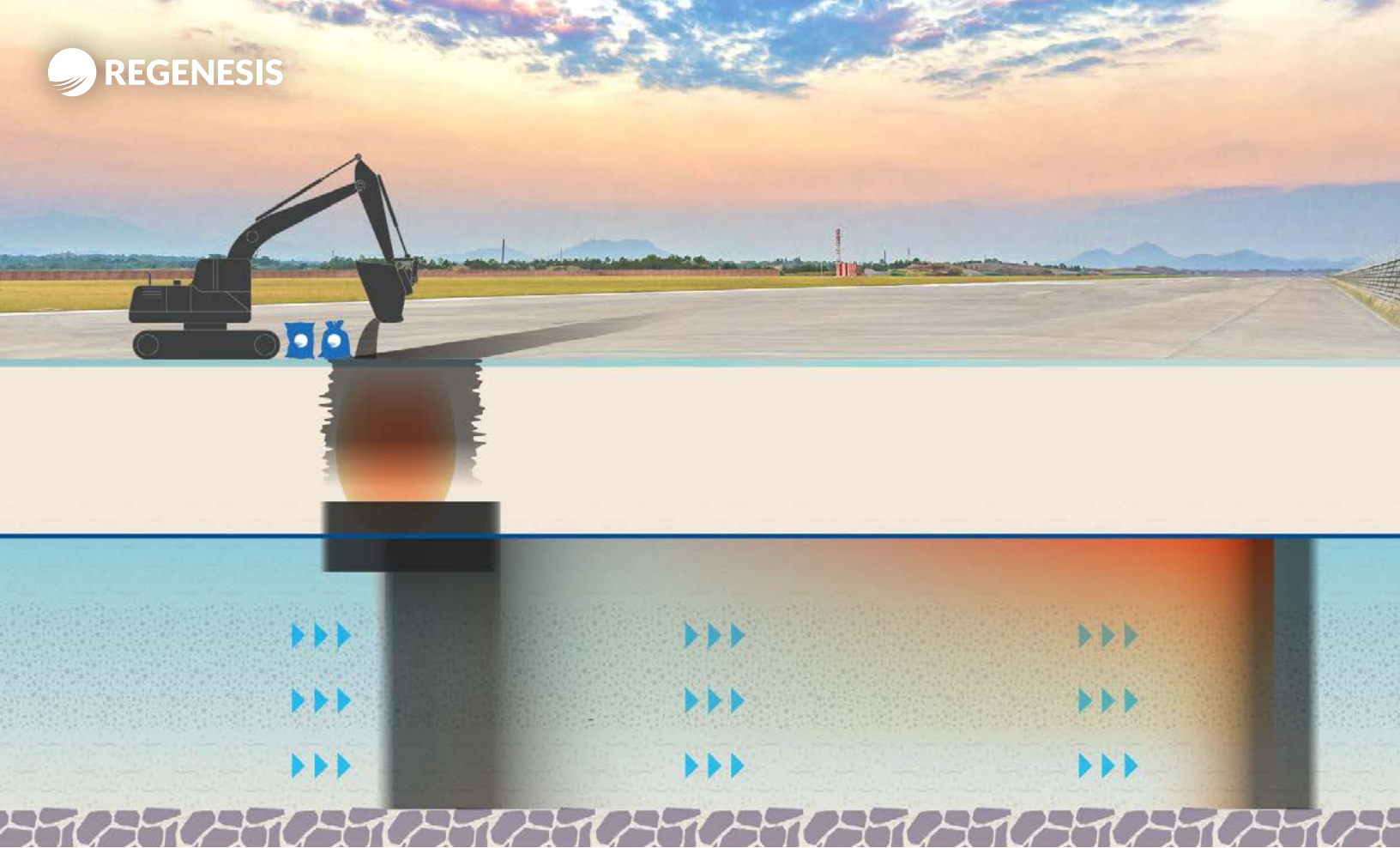




Treating PFAS Source Zones with SourceStop

Overview



Field-scale studies for the in situ treatment of soils at PFAS source zones were completed at firefighting training areas on two airport sites in Michigan and Washington, where PFAS-containing AFFF (i.e., aqueous film-forming foam) was historically discharged. The PFAS source treatments incorporate SourceStop® colloidal activated carbon, emplaced as a horizontal barrier at the base of treatment. SourceStop has shown to prevent PFAS leaching by more than 10x compared to commodity powdered activated carbon (PAC).

Results

99.4% Total PFAS Reduction at Site 1

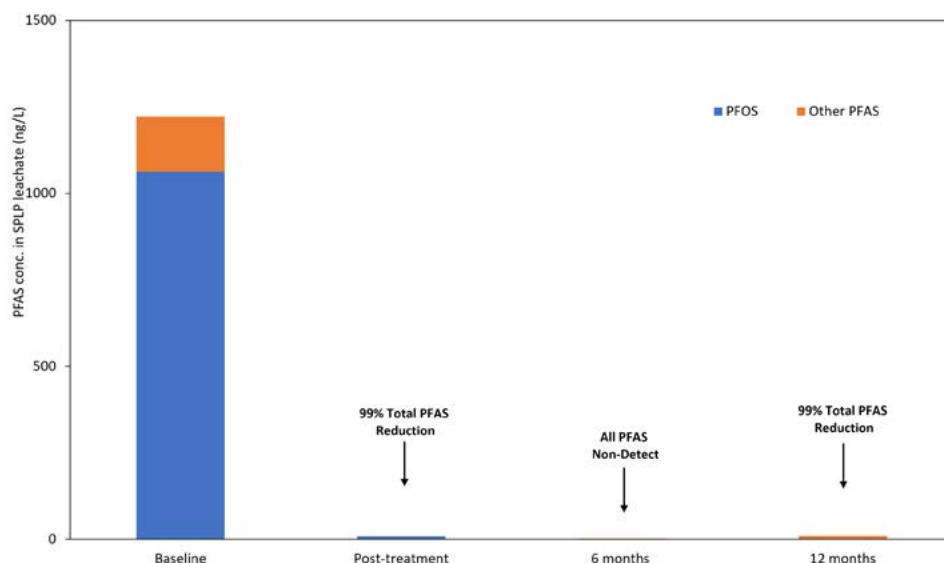
99.5% Total PFAS Reduction at Site 2

- The field-scale studies showed a total PFAS reduction of 99.4% and 99.5% at Site 1 and Site 2, respectively.
- At Site 1, six-month post-treatment samples were collected and no PFAS were detected. [Figure 1](#) A six-month post-sampling event is pending completion at Site 2.

Figure 1

Average PFOS/PFAS in Soil Leachate

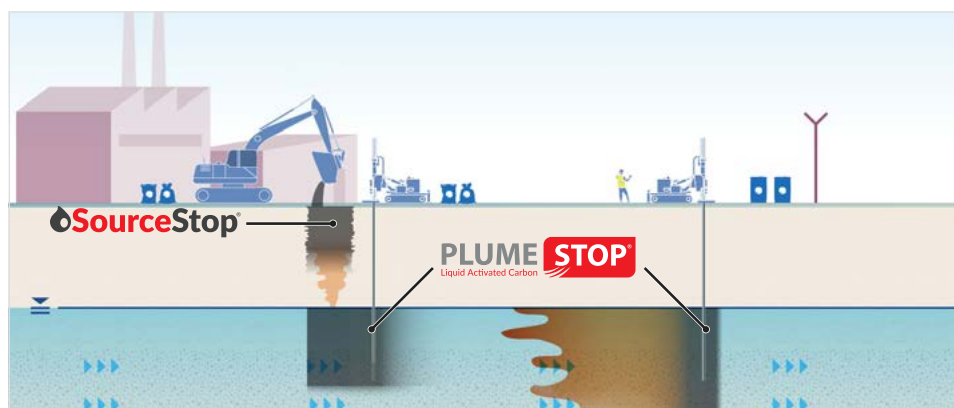
Average PFOS and rest of PFAS concentrations in soil leachate at baseline and post-treatment at Site 1.



Conclusions

The field-scale studies completed at two prototype AFFF-release sites resulted in the immediate, complete, and sustained elimination of PFAS in soil leachate, demonstrating how these PFAS sources can be rapidly and effectively mitigated.

The in situ PFAS source treatments emplaced SourceStop horizontal barriers at the base of the treatment zones to significantly improve PFAS retention (i.e., prevent PFAS leaching) over commodity carbon materials like PAC.



REGENESIS Remediation Services now offers these in situ PFAS treatments as a turn-key service for deployment at AFFF-release and other PFAS source areas.