

## Soil Washing

Brice pioneered the application of soil washing with a patented technology in the early 1990s. We performed projects at over 10 DoD installations, including projects selected for the Secretary of the Army Environmental Award in 2007 and 2009.

### In 2018

Brice began investigating the suitability of our soil washing technology for treating PFAS impacted soil. Bench-scale studies performed on soil from one of the Eielson AFB F-35A beddown projects demonstrated the potential to successfully reduce PFAS levels in soil to below ADEC cleanup levels.

### In 2019

Brice was awarded a contract by the USACE Omaha District to deploy our soil washing technology for PFAS impacted soil at Peterson AFB, Colorado. This project demonstrated that Brice's soil washing process could remove more than 99% of PFOS and PFOA from coarse soil fractions (>#200 mesh) and between 83% (PFOS) and 93% (PFOA) of contamination from fine soil fractions (< #200 mesh) in a single treatment.

Brice's field treatment plant can be used to treat PFAS impacted soil during construction, returning treated soil meeting cleanup levels back to construction sites for beneficial use. Depending on source soil and project needs, treated soil can also be used to blend construction aggregate to contract specifications on site.

## Complementary Technologies

Brice partners extensively with other companies to evaluate PFAS treatment and destructive technologies that can be coupled with our patented soil washing system as part of a treatment train approach for on site removal of PFAS in soil. We also work with vendors to evaluate the incorporation of PFAS destructive technologies for on site treatment of the PFAS containing byproducts from the regeneration of filtration media used in both soil washing and construction dewatering treatment systems. Each of these technologies has shown the potential for incorporation into a treatment train tailored to the needs of a specific site.

## Point of Contact

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OUR SOIL WASHING TECHNOLOGY IS KEY TO  
**REALIZING YOUR MISSION**

