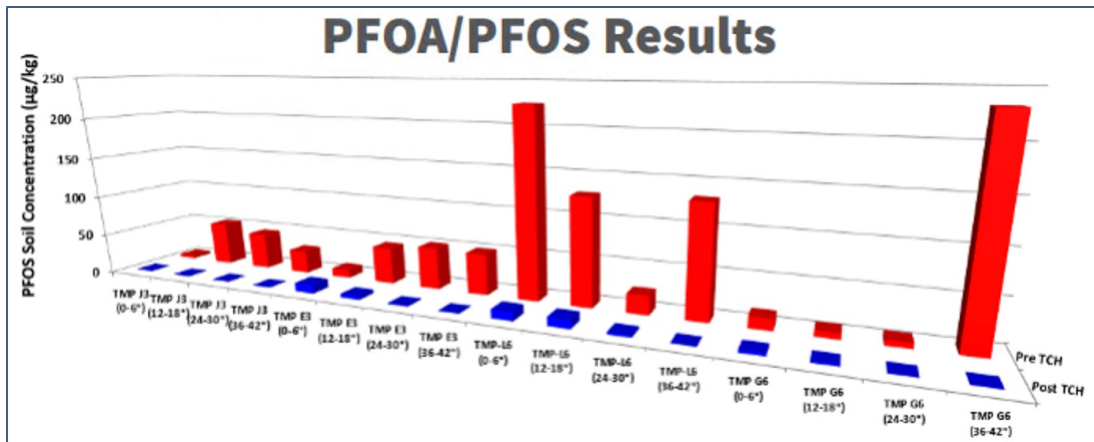
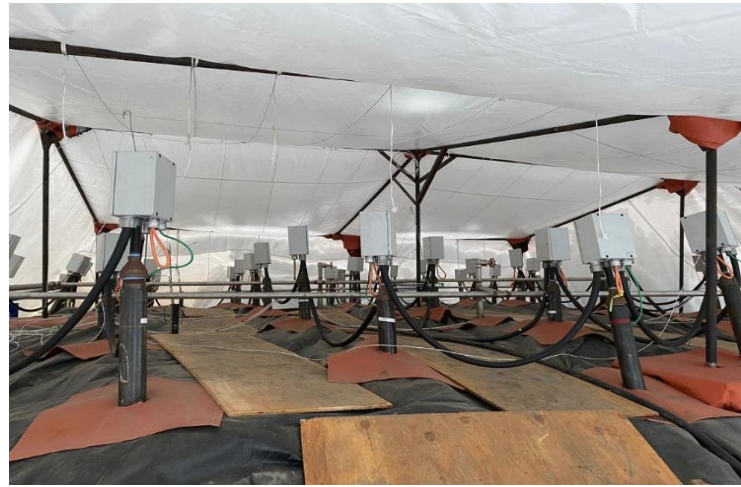


PFAS Removal from a Soil Stockpile Using Thermal Conduction Heating

Eielson Air Force Base, Alaska



Operational Goals

- Achieve average stockpile temperatures above 350° Celsius
- Maintain temperature for at least two weeks

Site Characteristics

- Pilot study: 134 cubic yard stockpile
- Insulation cover used to shield soil pile from inclement weather
- Temperatures at the site reached as low as -39° C

Operations

- Total run time: 91 days
- 48 heaters and nine soil vapor extraction points

Results

- Stockpile temperatures:
 - maximum 481° C
 - Average 414° C.
- All post treatment samples below PFOA and PFOS detection limits