

PFAS Pilot Study at Eielson

The Air Force Civil Engineer Center and Eielson Air Force Base, Alaska, hosted a field day August 25 to demonstrate two pilot studies to address PFAS accumulation in soil.

The two projects, funded by DoD's Environmental Security Technology Certification Program (ESTCP), were strategically designed with input and oversight from AFCEC/CZTE to provide a site-specific comparison of the cost and performance of the technologies to address PFAS in soil accumulated at Eielson during construction to support F-35 aircraft beddown. AFCEC/CZOP leads PFAS response actions at the base.

The industry day showcased technologies undergoing evaluation including ex-situ soil washing (provided by Arcadis in collaboration with Clean Earth Technologies) and ex-situ thermal desorption (provided by Paragon Professional Services in collaboration with TRS Group and Brown University). The field day consisted of technical presentations by both research groups along with a question and answer session followed by guided tours of both systems in operation.

Ultimately, these projects will serve as a case study to further refine the respective niches of these two leading innovative soil remediation technologies to help address the AF's PFAS environmental liability and to help advance the science for PFAS soil remediation.

Representatives from the AK Department of Environmental Conservation, AK Department of Transportation, ESTCP Program Office, AFIMSC/DET2, USEPA, and the USACE also attended the event.