

Selected by NATO for global PFAS testing.

Nelson's mobile high-temperature thermal platform has been selected for the NATO PFAS Treatment Technology Test Bed. Testing and validation are underway.

NATO SCIENCE & TECHNOLOGY ORGANIZATION · TEST BED

3 matrices
Soil, spent GAC, IX resin

C-F
Bond severance under test

3rd party
Chain-of-custody sampling

WHY IT MATTERS

PFAS does not break down on its own. Containment, filtration and disposal move the problem; only destruction ends it. The test bed exists to prove which technologies actually sever the carbon-fluorine bond.

Nelson's mobile RS-series platform was selected for evaluation against AFFF-impacted soil, spent granular activated carbon and ion-exchange resin, with pre- and post-treatment sampling under third-party chain of custody.

PROJECT RECORD

CLIENT	NATO Science & Technology Organization
SITE	NATO PFAS Treatment Technology Test Bed
EQUIPMENT	Nelson mobile high-temperature thermal platform, RS-series
SCHEDULE	Selected. Testing and validation underway
RESULT	Pending. Published only on release of the final NATO conclusions

NELSON ROLE	Technology provider under evaluation in the test bed
CONTAMINANTS	AFFF-impacted soil, spent granular activated carbon, ion-exchange resin
VOLUME	Test quantities set by the program
CRITERIA	Carbon-fluorine bond severance, third-party analytical chain of custody

Nelson's wider PFAS process documentation describes destruction above approximately 1,100 °C with secondary off-gas treatment and acid-gas management. Those are process capabilities, not stated NATO test setpoints.