

First Regional Airport Center in U.S. to Clean AFFF from ARFF Vehicles with PerfluorAd Seattle, WA

Remediation Goals

- Remove residual AFFF from ARFF vehicles and reduce total PFAS mass by equal to or greater than 99%
- Treat PFAS in rinsate to ppt levels, allowing onsite discharge
- Eliminate and greatly reduce offsite disposal of wastewater and solids, respectively

Project Characteristics

- Cleanout of five SEA, three King County Airport, and two Bellingham Airport ARFF vehicles during single mobilization

Operations

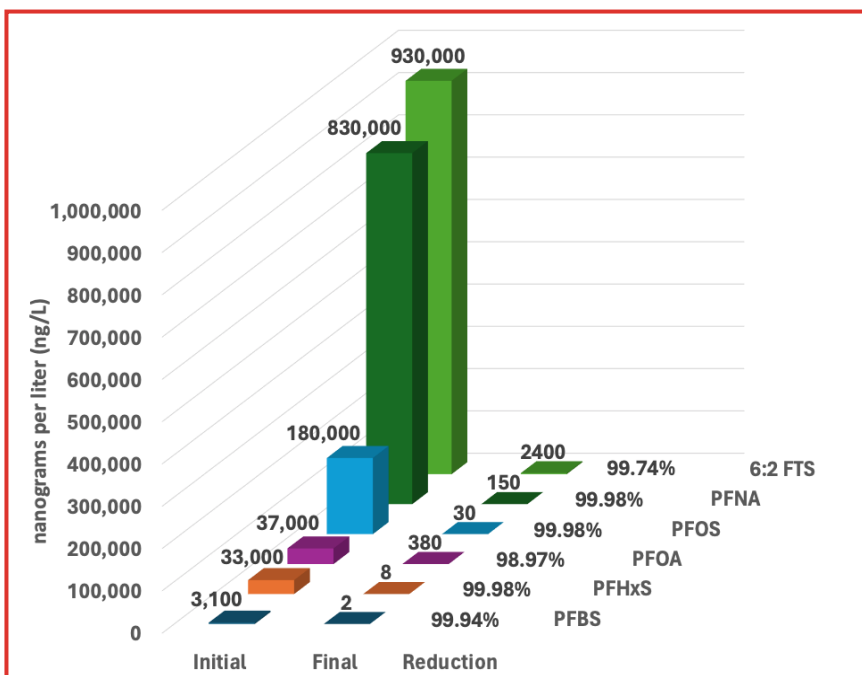
- Recovered PFAS sludge consolidated into single container and dewatered to the extent practicable
- **PerfluorAd™** process applied to each vehicle three to five times
- Cleanout time per vehicle of five to seven days

Results

- Less than 80,000 gallons of treated wastewater generated
- Greater than 99% of PFOS and PFOA removed



Cleanout Setup



PFAS Mass Removal Results