

Treatment of AFFF Impacted Water with **PerfluorAd** NAS Whidbey Island, WA

Site Information

- NAVFAC EXWC and NDCEE
- Bench tests on four AFFF wastewater sources
- On-site treatment of two sources
- Objective: 70 ppt for PFOS and PFOA

Site Characteristics

- 40,000 gallons of AFFF wastewater treated
- Total PFAS starting concentration: 357,451 ppt

Operations

- **PerfluorAd™** process in a continuous flow system
- >99% PFAS removal in complex, dirty water
- 15 days of operations

Results

- Recovered 50 gallons of PFAS sludge
- Reduced PFOA and PFOS below 70 ppt discharge limit



Continuous Flow (20 gpm) **PerfluorAd** Plant



PFAS Sludge on Belt Filter