

# AFFF Cleanout of a Firefighting Truck with **PerfluorAd** San Francisco, CA

## Remediation Goals

- Remove residual AFFF and reduce PFOA and PFOS to 2 ng/l or less in rinsate
- Dispose of rinsate in the onsite wastewater treatment plant non-detect (ND) discharge limit (detection limit 2 ng/l)
- Compare triple freshwater rinse to **PerfluorAd™** process
- Analyze PFAS rebound

## Project Characteristics

- Pierce Firefighting truck with a HUSKY 12 gpm Foam System
- 75-gallon onboard AFFF tank
- No PFOS detected from start of operations

## Operations

- Truck cleanout completed in four days
- Rebound testing after three days

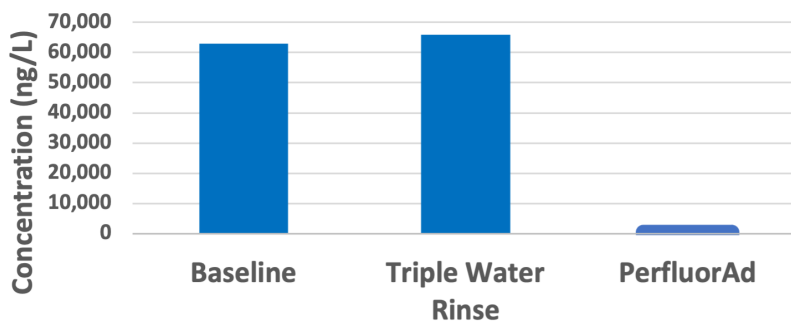
## Results

- ND for 30 of 31 PFAS analytes in the rinsate
- 6:2 FTS concentration was 11.2 ng/l
- No rebound for PFOS or PFOA
- Triple rinse provided poor PFAS removal
- Waste generated:
  - 400 lbs of spent LGAC
  - <6,000 gallons of rinsate
  - Treated rinsate suitable for disposal to onsite treatment plant



Cleanout Setup

## Total PFAS Concentrations



## PFOA Concentrations

