

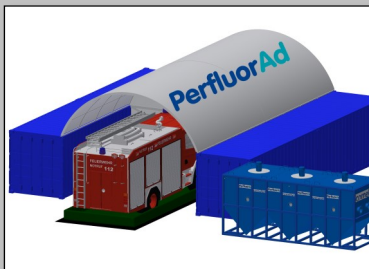
PerfluorAd



AFFF Fire Training



PerfluorAd® Treatment System



AFFF Rinsing & Treatment



Multi-column Treatability Trials

Full Scale, Field Proven PFAS Treatment Technology

Developed and patented by Cornelsen, PerfluorAd is a full scale field proven treatment process for the treatment of PFAS contaminants.

PerfluorAd® is a biodegradable, plant based, oleic acid that forms an ionic bond with PFAS. The PerfluorAd® treatment approach is therefore a precipitation process wherein PFAS microflocs are generated and then removed by filtration. The subsequent solids precipitate is then disposed or destroyed. Dosage can be infinitely adjusted to suit the concentration and type of PFAS compounds present.

Removal efficiencies in excess of 99% can be achieved, particularly for longer chain PFAS Compounds

with the effect that the bulk of the PFAS can be removed prior to any activated carbon polish and the larger compounds can no longer displace the smaller once from the activated carbon. This improves the efficiency of the activated carbon and therefore reduces disposal and replacement costs.

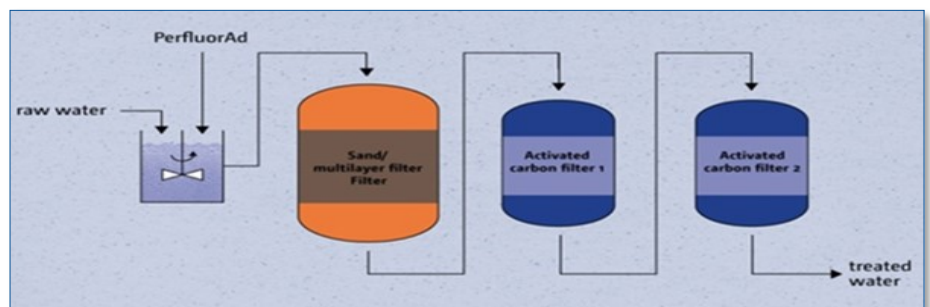
PerfluorAd treatment performance is completely unaffected by the pH, high TSS, organics etc. and as such has wide range of applications, especially those with a high load of PFAS.

Applications:

- ◆ Recovered fire-fighting fluids
- ◆ AFFF rinse and treatment of:
 - Fire trucks and airfield tenders
 - Fixed extinguishing system
- ◆ Groundwater & landfill leachate
- ◆ Industrial process water

Key Advantages:

- ◆ Not an adsorption process
- ◆ Removes bulk of the PFAS
- ◆ Infinitely adjustable
- ◆ Unaffected by pH, DOC, suspended solids, co-contaminants
- ◆ Cost savings vs. activated carbon or ion exchange processes



Ask us about bench scale treatability studies and field pilot tests