WatchWater®

GERMAN WATER TREATMENT TECHNOLOGY

KATALOX-LIGHT®
+ SuperOxy

IRON & MANGANESE REMOVAL.
AN OPPORTUNITY FOR PFAS CAPTURE.

Integrated PFAS treatment concept

CLEANER WATER BRIGHTER TOMORROW

TECHNOLOGY FOR A MORE RESILIENT WORLD

OXIDISE • CAPTURE • REGENERATE • VERIFY



Illustrative installation

THE GOAL

USE THE FILTER ALREADY TREATING YOUR WATER

An additional PFAS stage may be avoided where verified performance meets the required outlet target.

01 REMOVE IRON & MANGANESE

Katalox-Light® supports iron and manganese oxidation and retains the resulting solids. Fresh iron hydroxides create additional adsorption surfaces within the filter bed.

02 CAPTURE SELECTED PFAS

Under suitable water chemistry, selected PFAS can bind to these iron-rich surfaces. The filter retains the loaded solids. Uptake depends on PFAS identity, pH, competing compounds and contact time.

03 REGENERATE WITH SuperOxy

For PFAS service, WatchWater® proposes a separate SuperOxy regeneration cycle in the vessel. Establish the dose, contact time and restored capacity for Katalox-Light® through repeated-cycle testing.

04 VERIFY THE COMPLETE CYCLE

Collect backwash, regeneration liquor and rinses for controlled treatment. Confirm iron, manganese and PFAS outlet performance before returning the filter to service.

ONE FILTER. MORE TREATMENT POTENTIAL.

Routine iron and manganese service: backwashing.
Proposed PFAS service: backwashing plus validated SuperOxy regeneration.

PFAS capture and **regeneration performance must** be demonstrated for the actual water.
Capture alone does not prove **PFAS destruction.**

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WATCHER® WATCH WATER a Water Company