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TEKNOLOGISK
INSTITUT



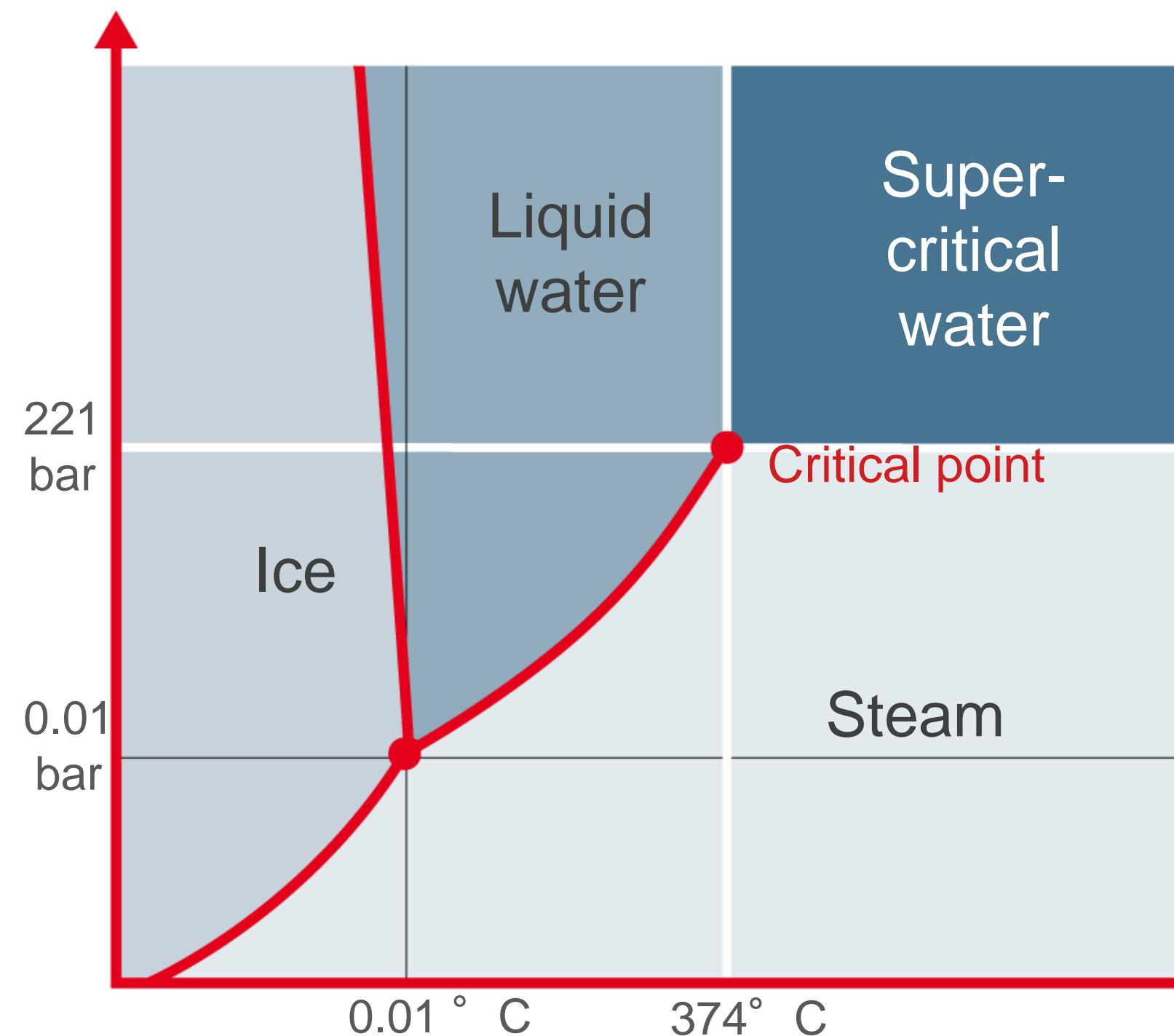




Destruktion af PFAS



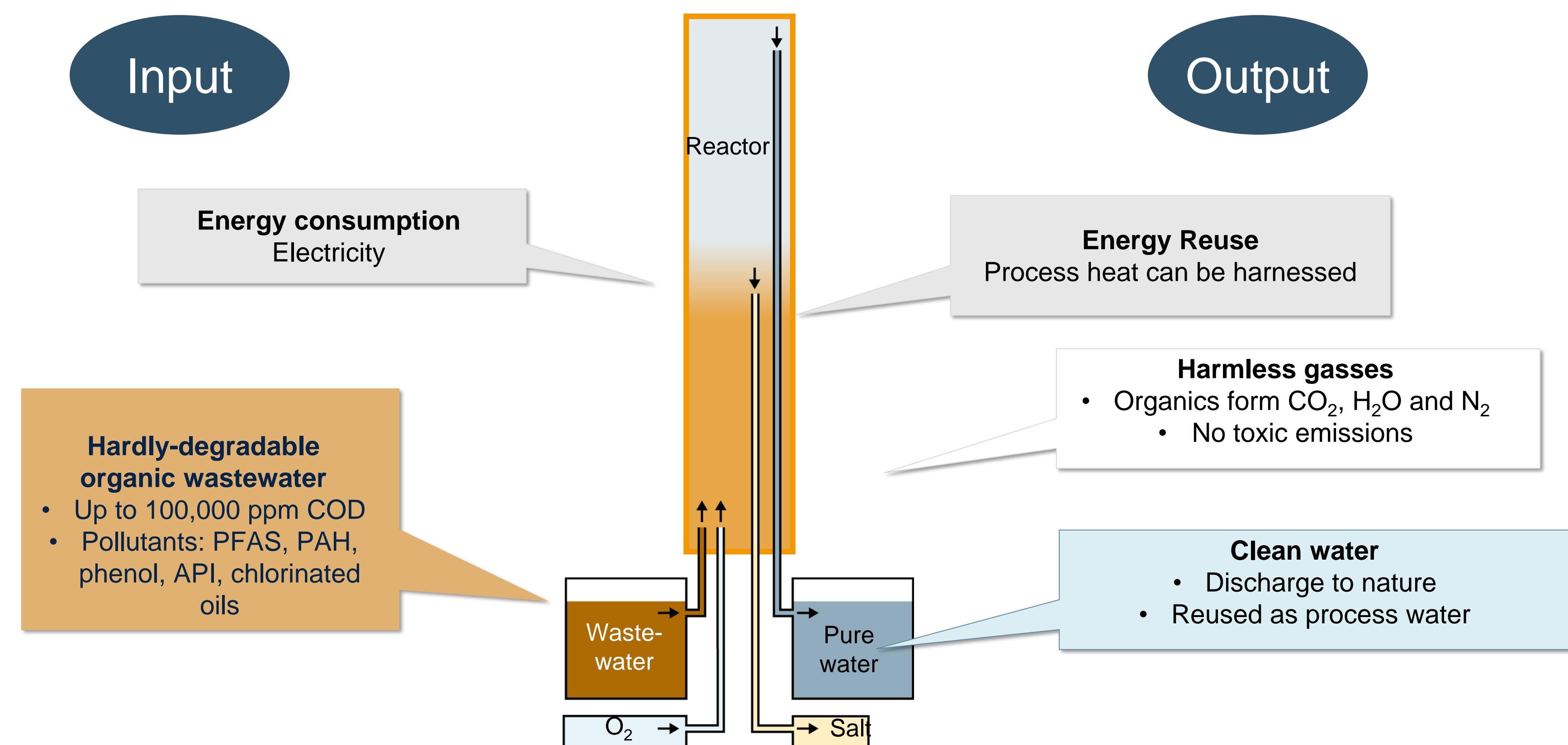
Super Critical Water Oxidation



Organisk materiale destrueres og
saltene udfældes



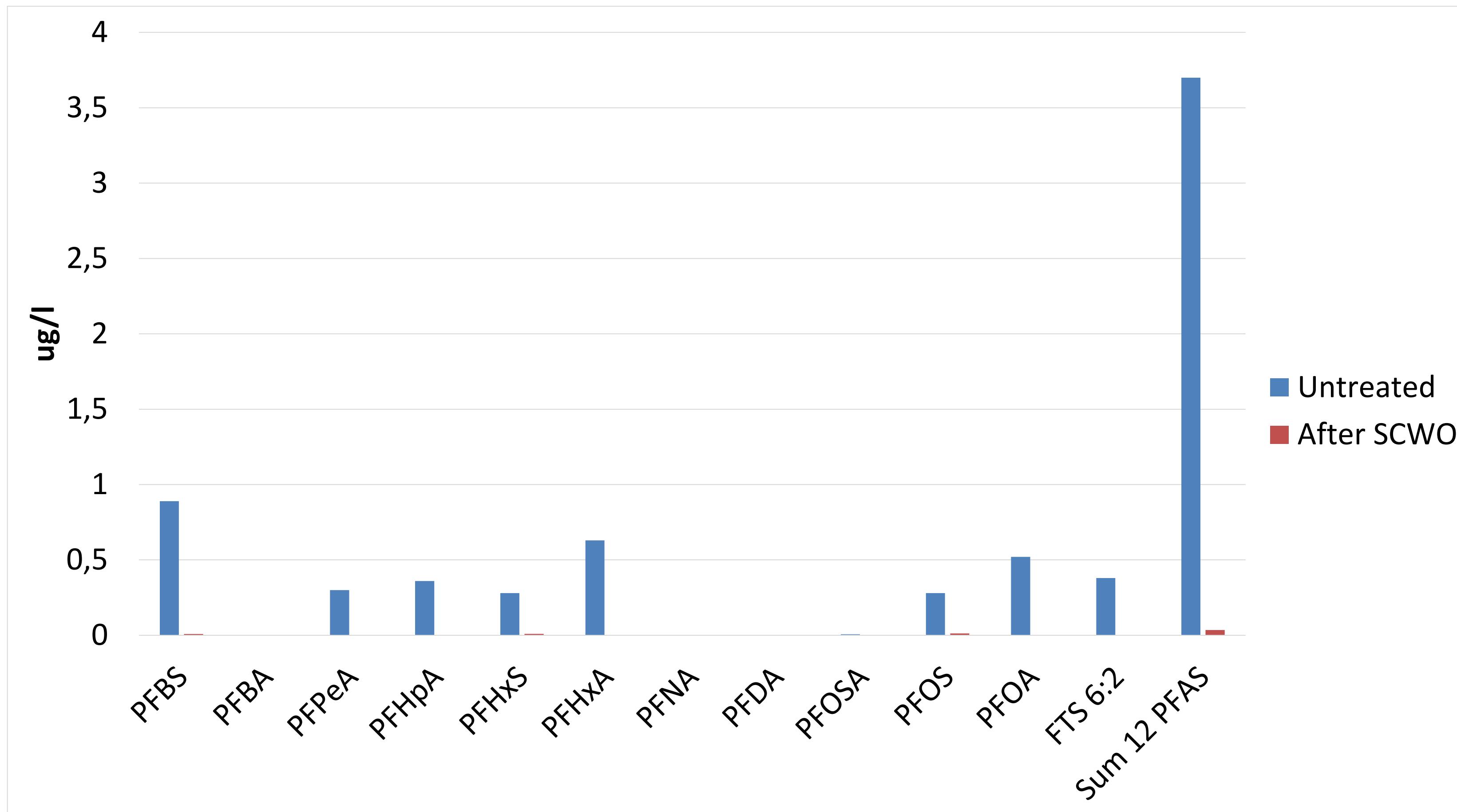
SCWO





Aquarden SCWO System

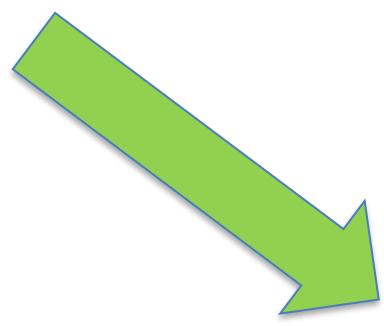
Perkolat SÖRAB



> 99 %
destruction with
SCWO



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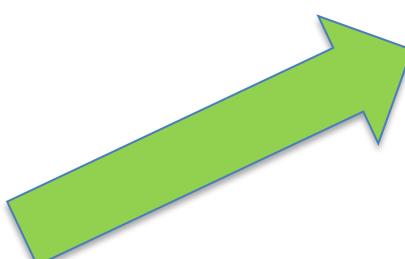
Foam fractionate



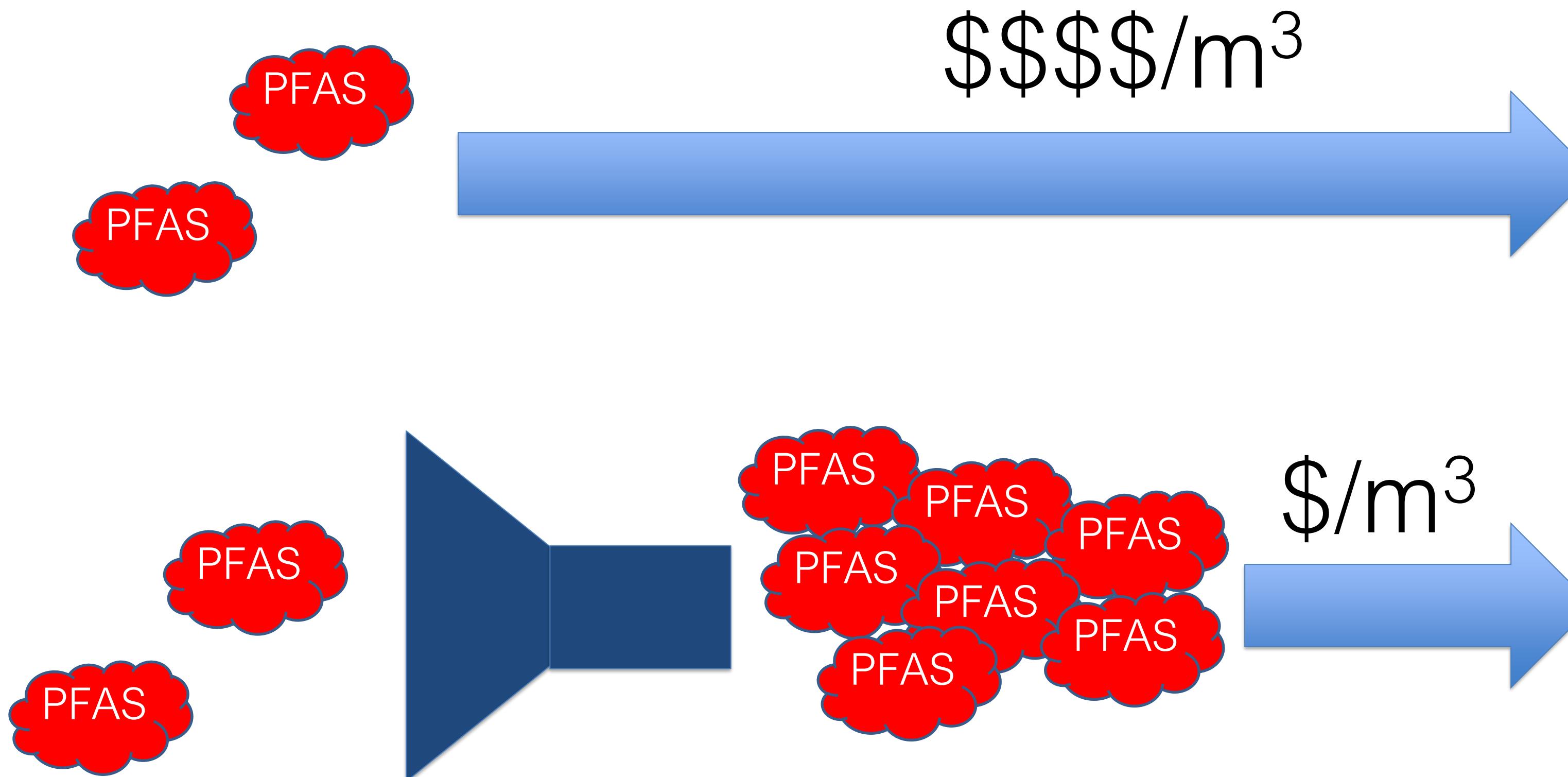
AFFF skum



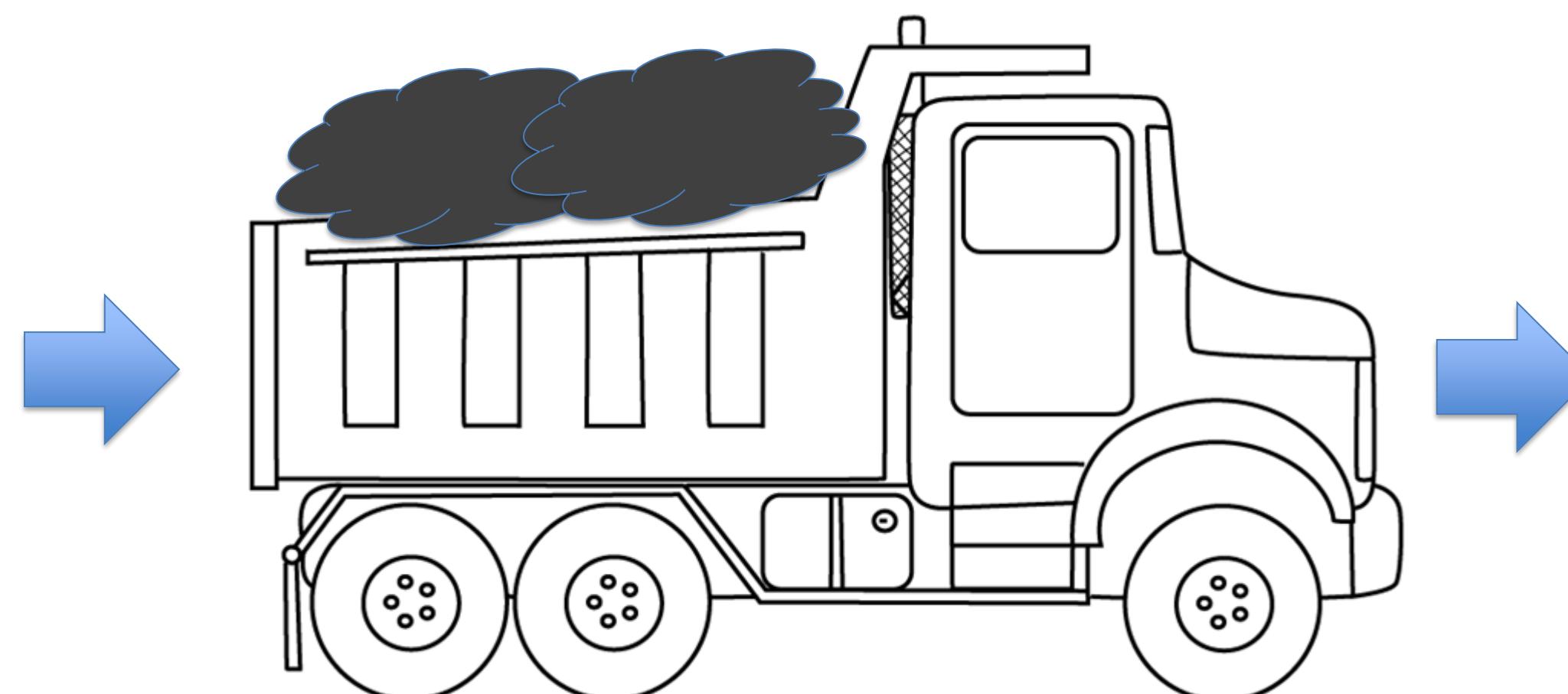
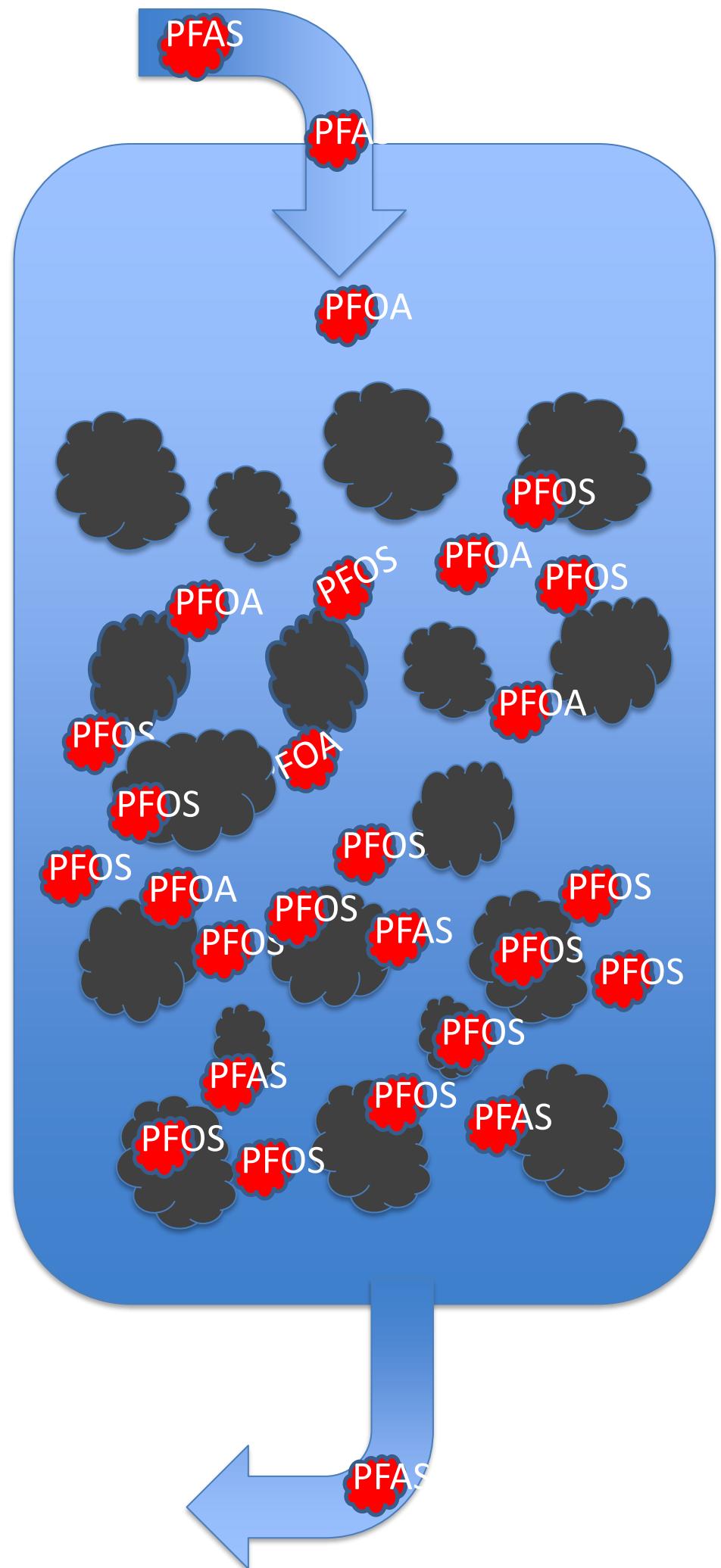
Grundvand



Opkoncentrering



GAC



PFAS??

PFAS removal and destruction - X AP NY bans incineration disposal of X +

← → C apnews.com/article/new-york-albany-andrew-cuomo-hazardous-waste-environment-78b18f72a8c51641c69363818f0978a5

Apps Gmail YouTube Maps Google Oversæt AP NY bans incineratio... Teamworks

AP NY bans incineration disposal of toxic firefighting foam

NY bans incineration disposal of toxic firefighting foam

By MARY ESCH November 24, 2020

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ALBANY, N.Y. (AP) — New York has banned the disposal of toxic firefighting foam by incineration in certain cities after environmental groups raised concerns about an Albany-area firm that had incinerated foam for two years under a Department of Defense contract.

The law signed Monday by Gov. Andrew Cuomo, a Democrat, was designed to prevent the Norlite hazardous waste incinerator in Cohoes from resuming the burning of foam containing perfluoroalkyl and polyfluoroalkyl substances, chemicals known collectively as PFAS.

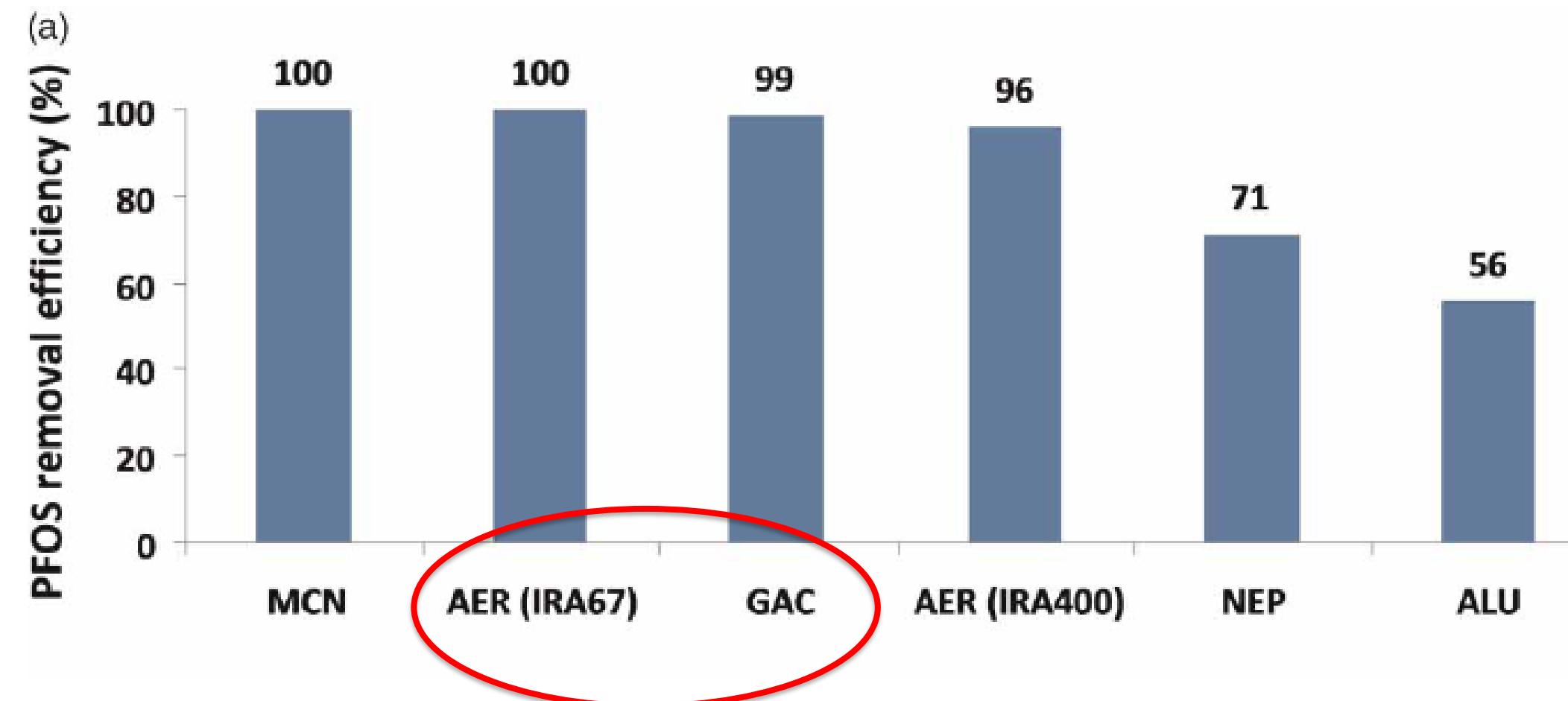
The Department of Environmental Conservation ordered Norlite to cease disposal of the material in 2019, and the city of Cohoes enacted a one-year moratorium on PFAS incineration last April. The company said it hasn't processed the material since December 2019 and would not do so unless testing supported by the state and the U.S. Environmental Protection Agency showed thermal destruction was the safest and most effective means of disposal.

Lufthavn

	PFOS ng/L	PFOA ng/L
Ethanol/water from Rygge	261	134
Ethanol/vand from Rygge after SCWO	<0.1	<0.01

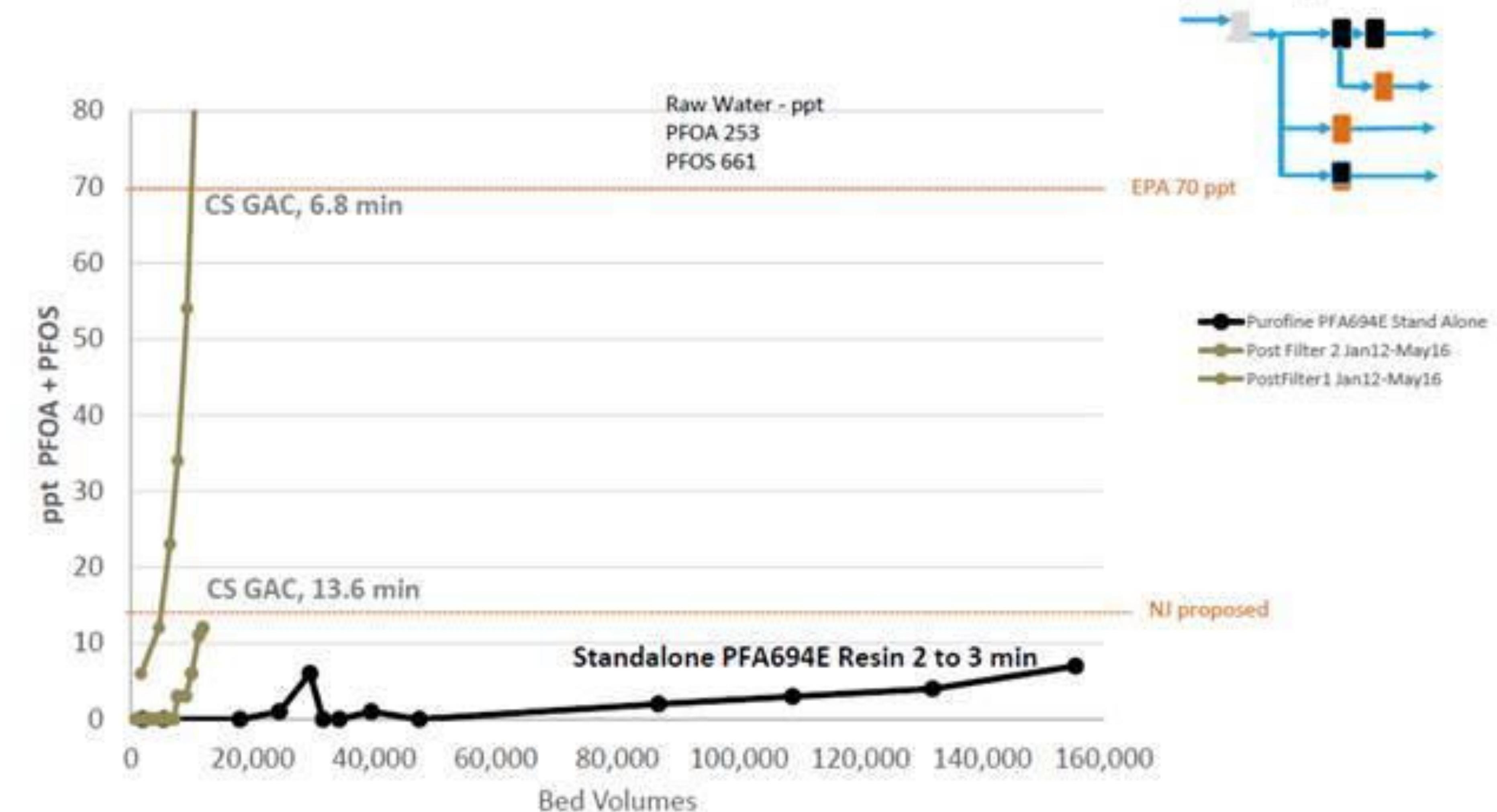
	PFOS ug/L	PFOA ug/L
Ethanol/water from Arlanda	679	34
Ethanol/vand from Arlanda after SCWO	<0.1	<0.01



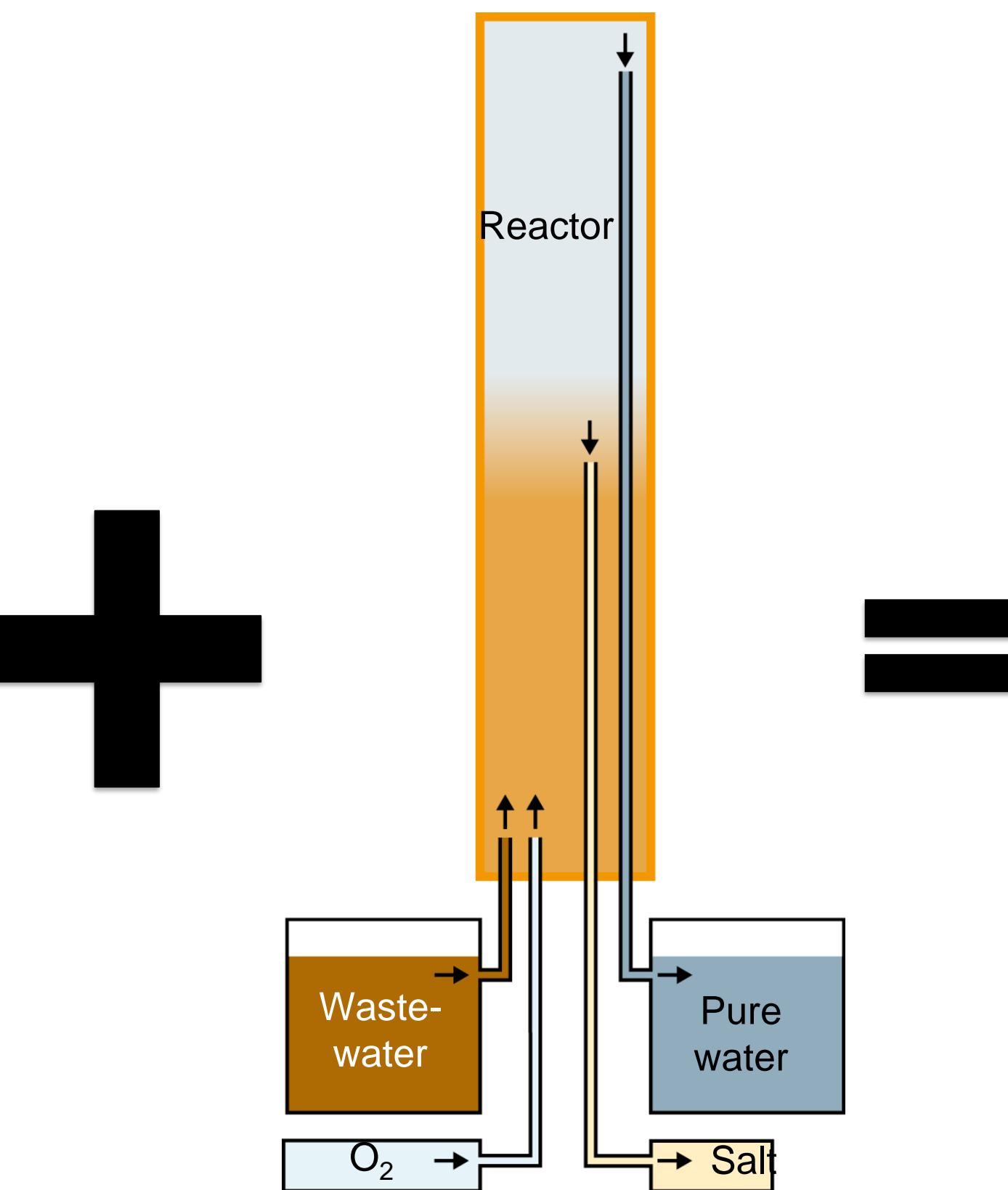
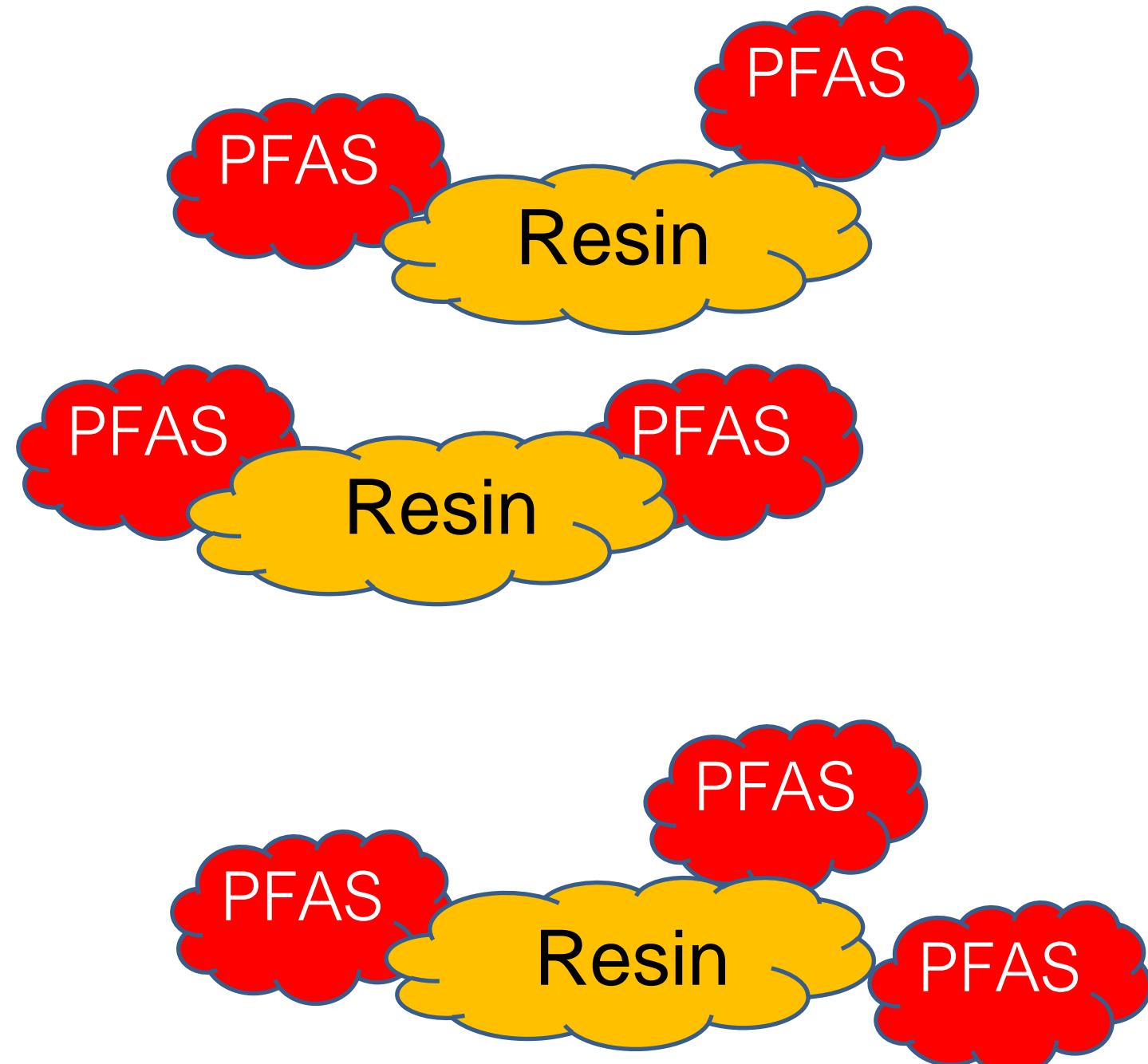


	$K_F \text{ (mg}^{(1-n)} \text{ L}^n \text{ g}^{-1}\text{)}$	n	R^2
PFOS			
AER	7,300	0.90	0.73
GAC	120	0.29	0.95
DCN	82	0.31	0.97
MCN	34	0.40	0.99
NEP	7.3	0.68	0.98
ALU	0.6	1.03	1.00

Purofine PFA694E Resin vs GAC: PFOA + PFOS Capacity



Resin



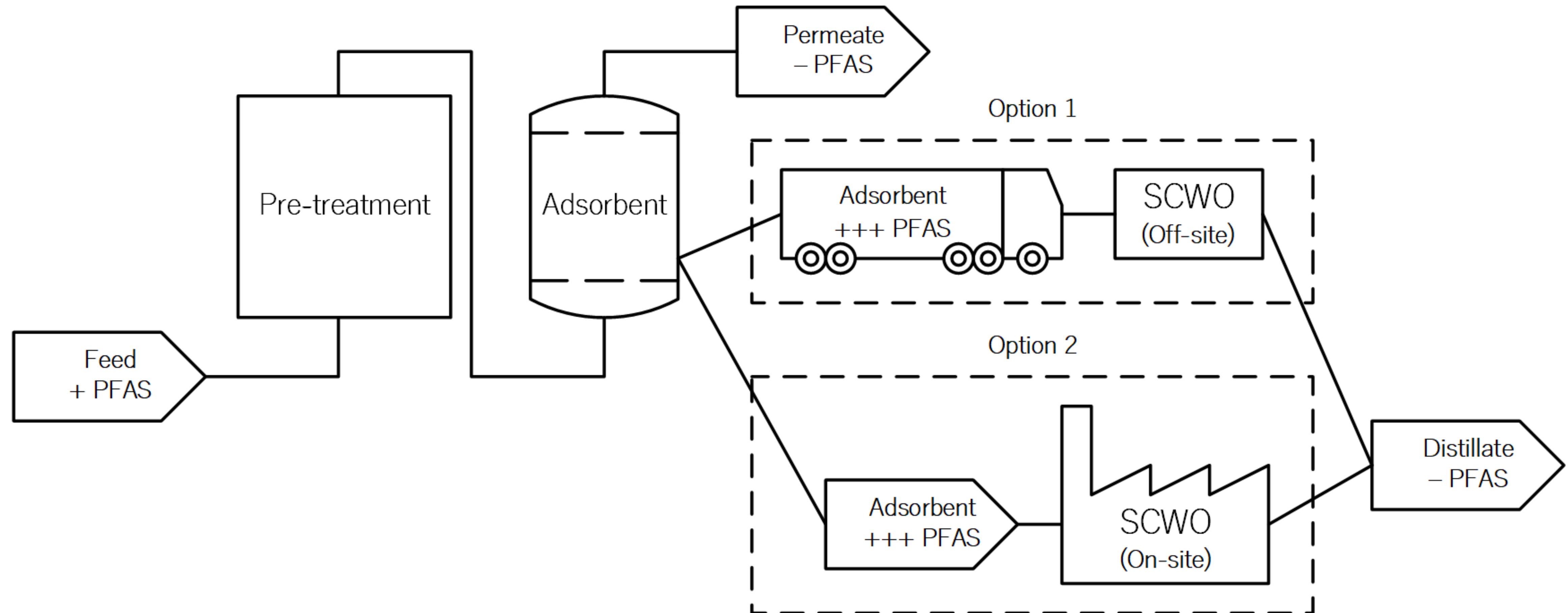
Prøve ID:	#1 PFOS_1	#2 PF
Kommentar	*1	
Parameter		
PFAS-forbindelser, MST 12 stoffer		
PFHpA	<0.0010	
PFOA	<0.0010	
PFNA	<0.0010	
PFBS	<0.0010	
PFHxS	<0.0010	
PFOS	<0.0010	
PFOSA	<0.0010	
PFHxA	<0.0050	
PFBA	<0.0010	
PFPeA	<0.0050	
PFDA	<0.0010	
FTS 6:2	<0.0010	
Sum af PFAS, 12 stoffer	<0.010	

Kommentar

*1 Ingen kommentar



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Flokkulering/
se
dimentation

Keramisk
membran

Adsorption

	Before (ng/l)	After (ng/l)
PFBA	57	<0.60
PFPeA	200	<0.30
PFHxA	160	<0.30
PFHpA	64	<0.30
PFOA	82	<0.30
PFNA	180	<0.30
PFDA	17	<0.30
PFBS	34	<0.30
PFHxS	240	<0.30
PFOS	1100	<0.20
6:2 FTS	230	<0.30
Summa PFAS SLV 11	2400	ND

Eurofins. November 2020, Karholmen, Sweden

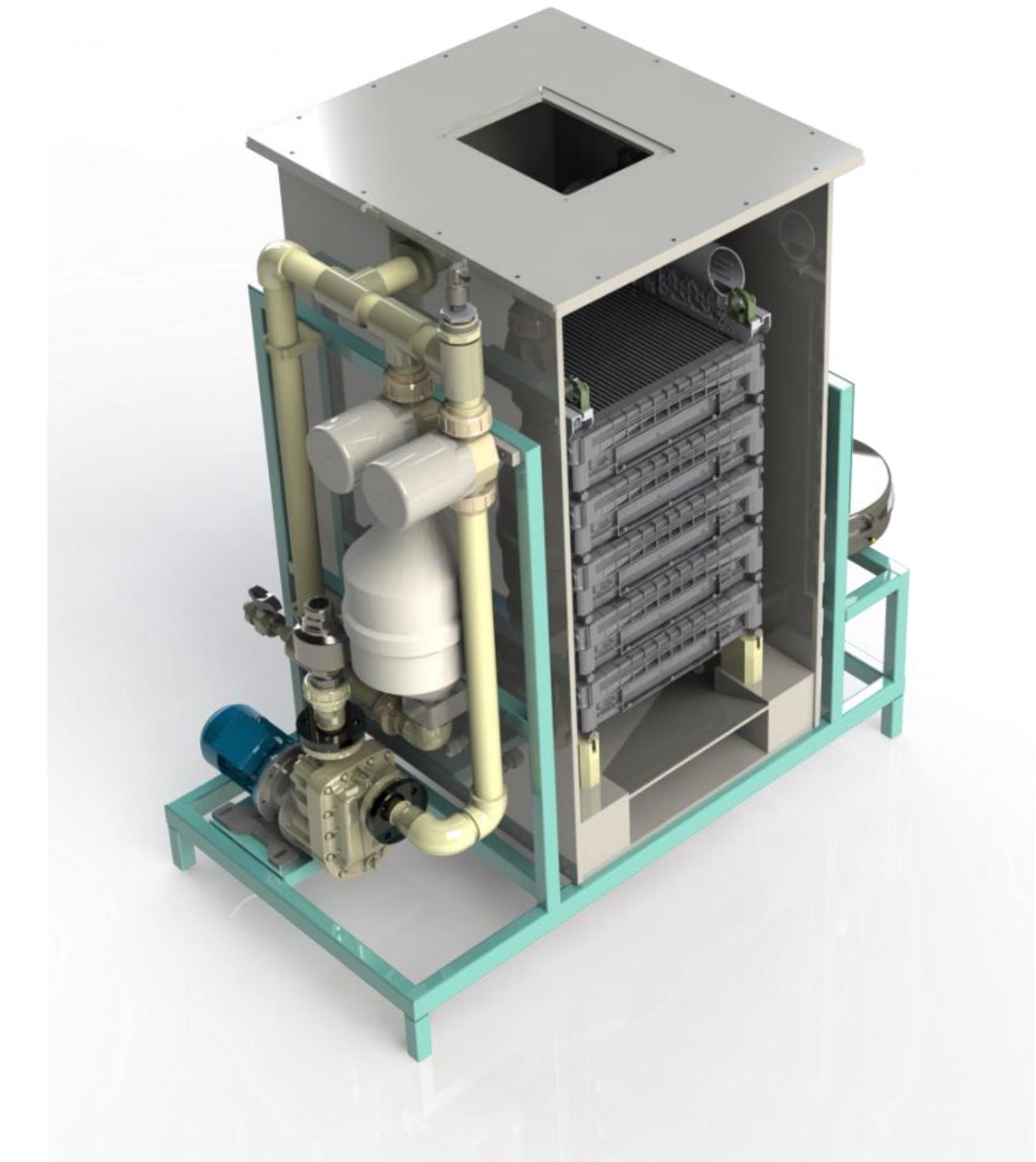


Aquadren
TECHNOLOGIES



Forbehandling

- Kun god adsorption ved god forbehandling
- Muligheder
 - Flokkulering
 - Sandfilter
 - Keramiske membraner
 - Flotation
 - Ozon



Du er her: > Forside > Service > Nyheder > Nyhedsarkiv > 2021 > feb > PFOS-forurennet spildevand stammer formentlig fra brandskole

Del med    

Nyheder

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Hør podcasten: Der står en  puma i min have

PFOS-forurennet spildevand stammer formentlig fra brandskole

05-02-2021

Vandmiljø

Der er udledt spildevand med høje koncentrationer af stoffet PFOS fra Korsør Renseanlæg. Kilden til forureningen er formentlig brandskolen i Korsør, som nu er i gang med undersøgelser, som skal indsnævre forureningskilden.

SK Forsyning i Korsør målte i december sidste år høje koncentrationer af PFOS i udledt spildevand fra Korsør Renseanlæg. Nu peger Slagelse Kommunes kildeopsporing på, at det er brandskolen i Korsør, som er kilden til forureningen. Stoffet er i dag forbudt at anvende i brandslukningsskum, og forsyningen oplyser, at det derfor ikke mere bruges på skolen.

PFOS er kræftfremkaldende, det påvirker reproduktionen og er akut giftigt. Det er endvidere mistænkt for hormonforstyrrende egenskaber. Stoffet bioakkumuleres og forsvinder således ikke bare i naturen, men ophobes gennem fødekæden.

- I Miljøstyrelsen ser vi på sagen med stor alvor, fordi PFOS er et stof, der ikke nedbrydes særligt nemt i naturen, samtidig med det ophobes i fødekæden, siger kontorchef i Miljøstyrelsen Jane Hansen og tilføjer:

Abonnér

[Få Miljøstyrelsens nyheder
direkte i din mailboks](#)

Tweets af @Miljostyrelsen

 Miljøstyrelsen
@Miljostyrelsen
 Kenyan lawmakers to discuss
future of waste!
"Kenya Waste Bill and Policy"
approved and sent to Parliament for
final adoption. @Miljostyrelsen,
@DanishMFA and the
@denmarkinkenya in Nairobi are
proud to be part of this!
If adopted, Kenya is closer to a more
#circularconomy



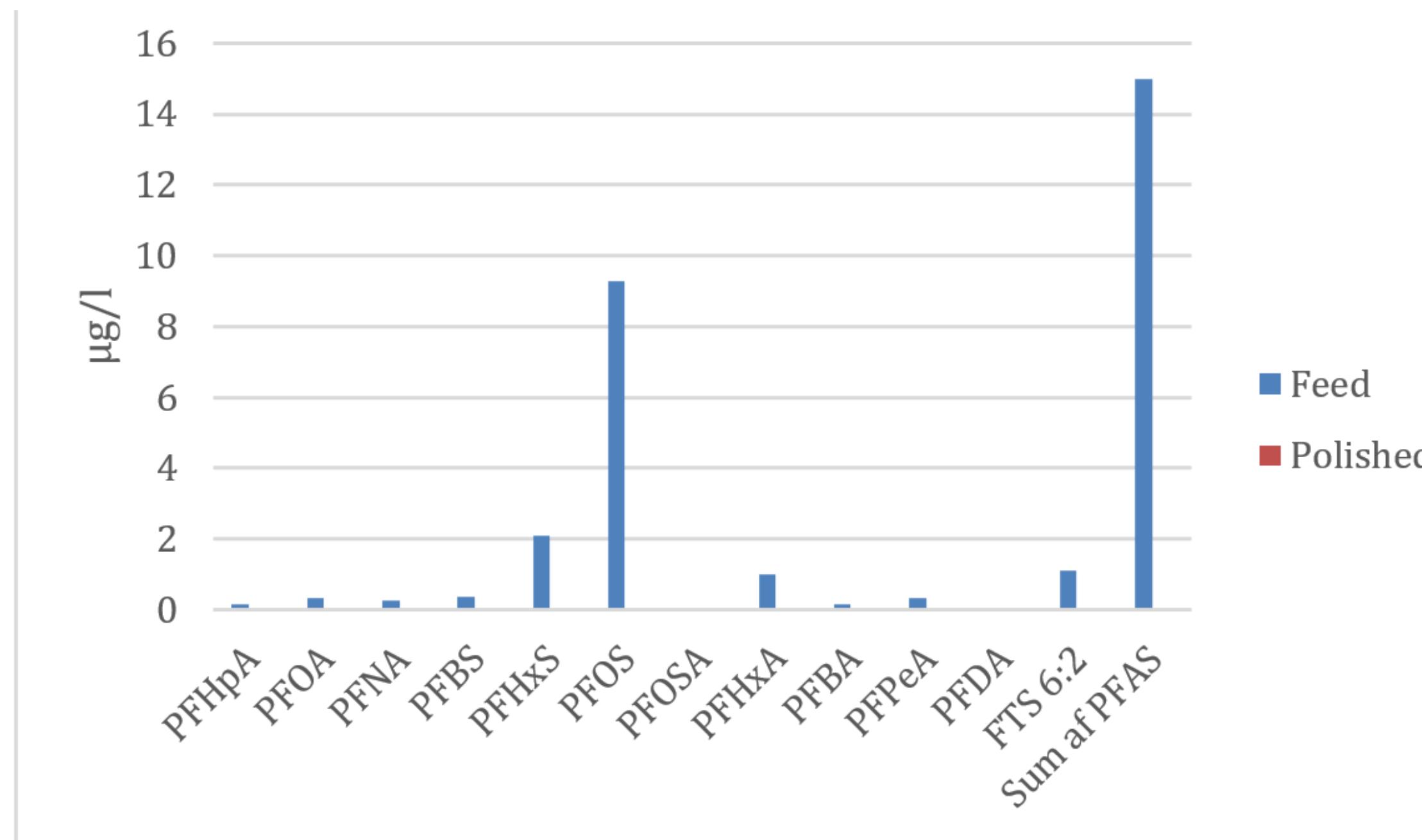
Indlejr

Vis på Twitter

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på sociale medier](#)

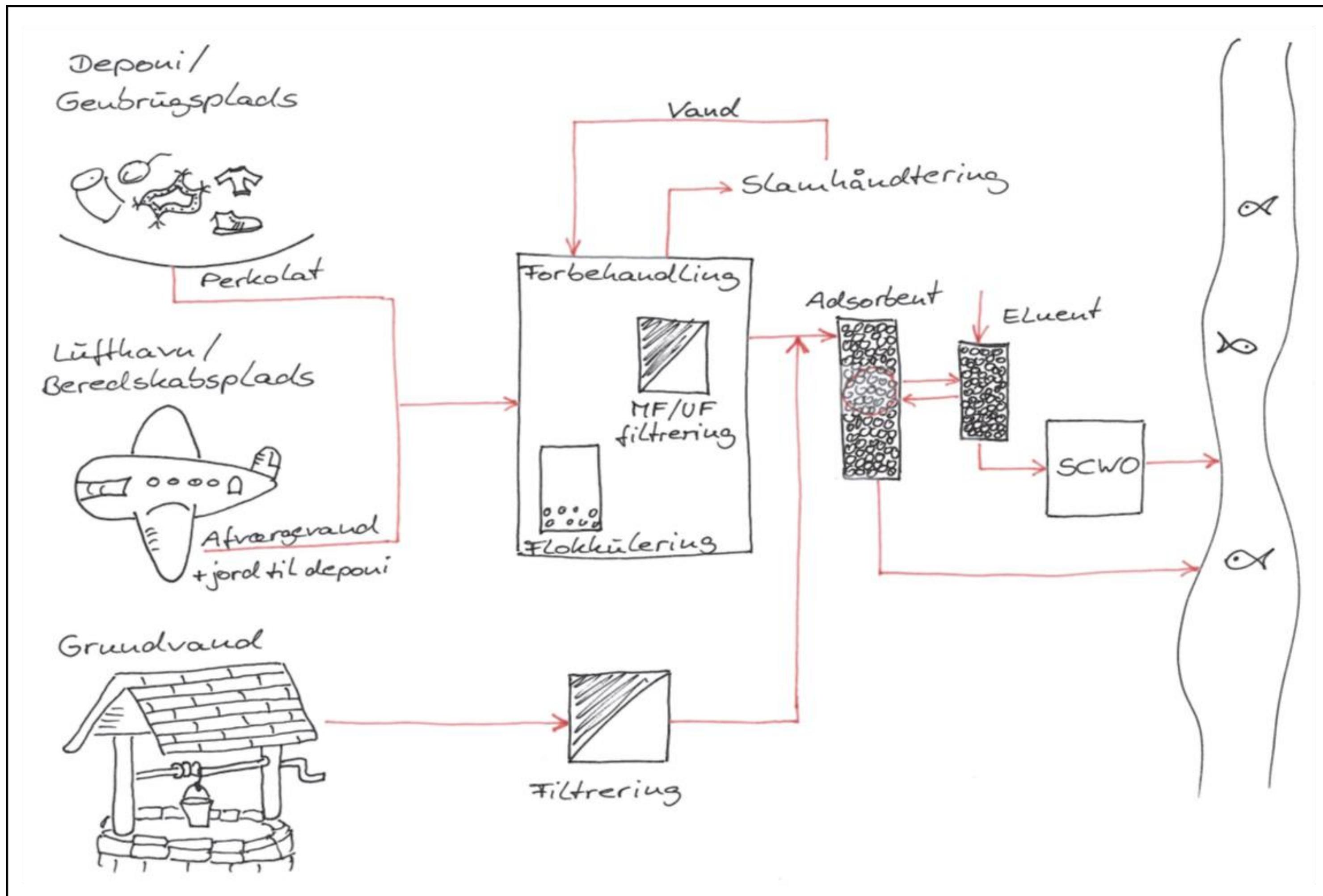


Vand fra jordforurenning

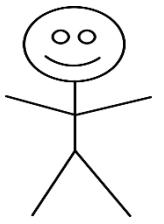




PFASinator



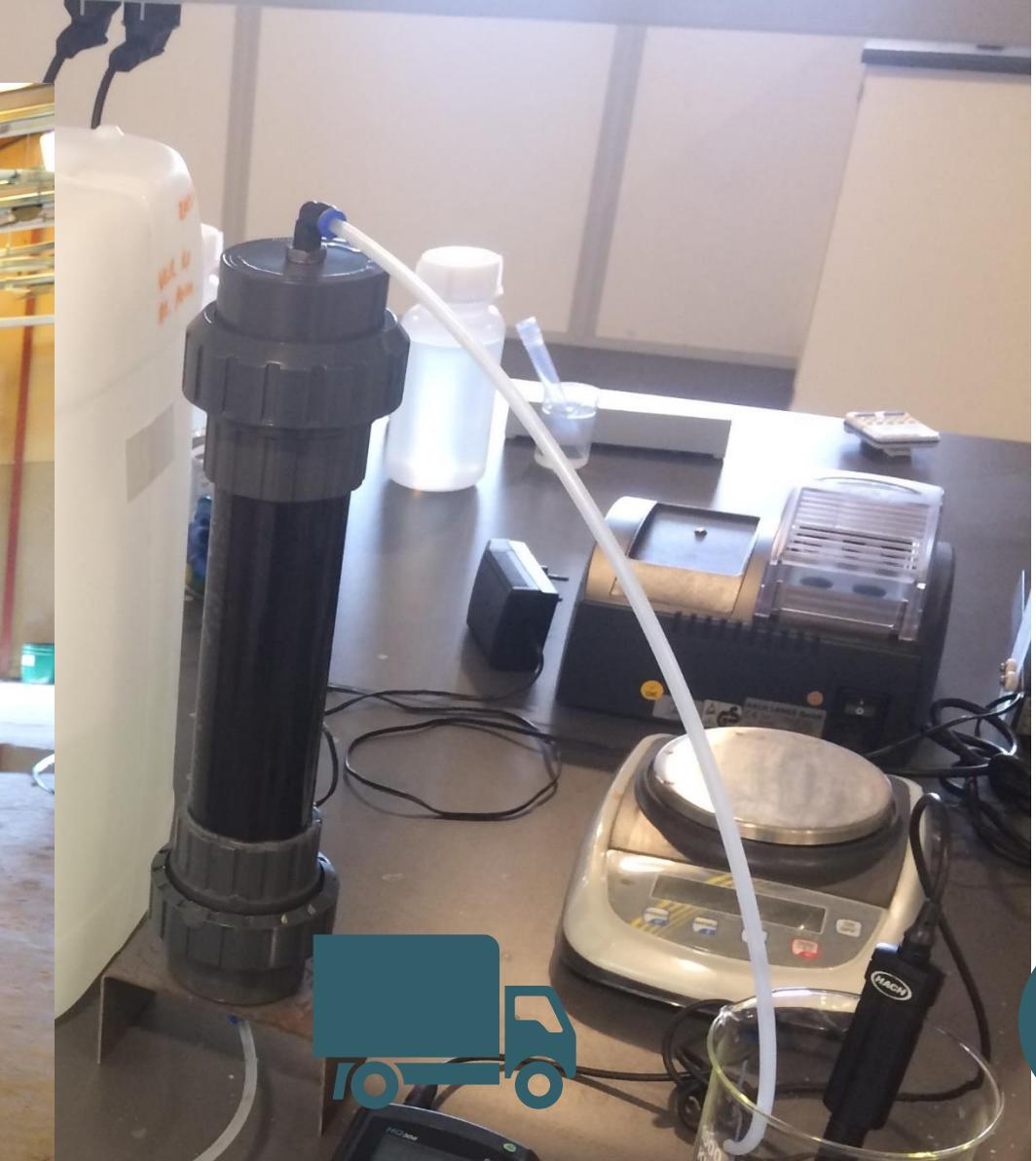
Fra første kontakt til final installation



Customer contact



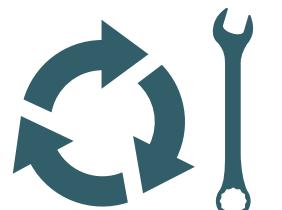
Lab. Testing



Delivery &
installation



Quality insurance
& commissioning



Service





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