

Case Study Telge

Client:	Telge Återvinning
Location:	Södertälje, Sweden
Type of water:	Landfill Leachate
Pre-treatment:	None
Treatment:	SAFF40
Average flow:	20m ³ /h 120 000m ³ /year
Waste:	<1m ³ /40 000m ³ Treated
OPEX:	0,7 kWh/m ³ treated 8h service/month



Substance	Ex of concentration untreated leachate	Ex of concentration treated leachate	Average Removal Rate 70 000 m ³
PFDA (Perflourdekansyra)	2,4	1	66%
PFNA (Perflournonansyra)	54	1	98%
6:2 FTS (Flourtelomer sulfonat)	45	1	97%
PFOA (Perflouroktansyra)	510	1	100%
PFOS (Perflouroktansulfonsyra)	110	1	99%
PFHxS (Perflourhexansulfonsyra)	84	1	98%
PFHpA (Perflourheptansyra)	450	1,7	94%
PFHxA (Perflourhexansyra)	1100	340	50%
PFPeA (Perflourpentansyra)	590	460	13%
PFBA (Perflourbutansyra)	310	330	4%
PFBS (Perflourbutansulfonsyra)	170	97	98%
PFAS11	3400	1200	57%

Case Study NSR

Client:	NSR Återvinning
Location:	Helsingborg, Sweden
Type of water:	Landfill Leachate
Pre-treatment:	None
Treatment:	SAFF40
Average flow:	10–20m ³ /h
Waste:	<1m ³ /40 000m ³ treated
OPEX:	0,7 kWh/m ³ treated 8h service/month



Substance	NSR SAFF 002		NSR SAFF 002		NSR SAFF 002	
	2021-10-07		2021-10-07		2021-10-07	
	Treated volume: 200 m ³		Treated volume: 200 m ³		Treated volume: 200 m ³	
	Unit	IN	OUT	Removal Rate		
PFDA	ng/l	10	1,0	90%		
PFNA	ng/l	34	1,0	97%		
6:2 FTS	ng/l	8800	9,5	100%		
PFOA	ng/l	2400	2,6	100%		
PFOS	ng/l	110	1,6	99%		
PFHxS	ng/l	2200	2,8	100%		
PFHpA	ng/l	6900	96	99%		
PFHxA	ng/l	1100	510	54%		
PFPeA	ng/l	520	650	0%		
PFBA	ng/l	260	240	8%		
PFBS	ng/l	210	120	43%		
Sum PFAS SLV 11		22 544	1634	93%		

Case Study Swedavia

Client:	Swedavia
Location:	Arlanda, Sweden
Type of water:	Run off water
Pre-treatment:	None
Treatment:	SAFF40
Average flow:	35–40m ³ /h
Waste:	<10 liter/50 000m ³ treated
OPEX:	0,7 kWh/m ³ treated 8h service/month



Substance	Unit	Untreated	Treated	Removal Rate %
PFDA	ng/l	0,67	<0,30	55%
PFNA	ng/l	3,7	0,62	83%
6:2 FTS	ng/l	<0,30	<0,30	0%
PFOA	ng/l	71	2	97%
PFOS	ng/l	650	2,2	100%
PFHxS	ng/l	38	8,4	78%
PFHpA	ng/l	220	2,1	99%
PFHxA	ng/l	210	80	62%
PFPeA	ng/l	190	130	32%
PFBA	ng/l	86	52	40%
PFBS	ng/l	22	27	0%
Sum PFAS (TOP)		1491	304	80%