CASE STUDY

Landfill Leachate Pilot

THE SOLUTION

Gallons treated: 32,000,000 gals leachate treated >26 MG (>100 ML) of water treated with zero contractual PFAS exceedances and **no issues with complex influent matrix**
Concentration factor: >30,000x
Length of operation: >2 years ongoing

Location: near Stockholm
Installation Date: January 2021
Client: Telge Site
Site Type: Landfill
Application: Leachate
Product: SAFF40®, manufactured by EPOC Enviro
Capacity: 106,000 GPD

THE RESULTS

PFAS Series	Feedwater Conc. (1) (ng/l)	Treated Water Results (2) (% removal)
PFDA	4.9	79% (4), 98% (4)
PFNA	83	99% (4), 99.9% (4)
6:2-FTS	41	100% (3)
PFOS	191	100% (2), >98.8% (4)
PFOA	586	99.8% (4), 99.9% (4)
PFHpA	275	98% (4), 98% (4)
PFHxS	97	99.0% (4), 99.9% (4)
PFHxA	541	39% (3)
PFPeA	531	7.1% (3)
PFBS	112	17% (3)
PFBA	317	Nil.
∑ Detectable PFAS (SLV-11)	2,770	55% (3)

(1) Approx. 500 m^3 feedwater treated for commissioning phase, refer to site details overleaf.
(2) Removal percentage (%R) is calculated by comparing treatment results of feedwater compared to the Site Adopted Criteria.
(3) Removal percentage (%R) is calculated by comparing treatment results to the LOR (1.0 ng/l).
(4) X is liberal (where <LOR is treated as being equal to 0), yy is the conservative approach where a <LOR result is treated as being equal to 95% of the reported LOR.