

**SMCC LIB Recycling Facility
Village of Endicott, Broome County**

PFAS Emissions Estimate - Based On Scrubber Water Test Results

PFAS Compound	Concentration	Mass in Solution*	Emissions before Scrubber**	Emissions Estimate**	Emission Rate Estimate***
	ng/L	10 ⁻⁶ Pounds	10 ⁻⁶ Pounds	10 ⁻⁶ Pounds	10 ⁻⁶ Pounds per Year
Perfluorobutanesulfonic acid	12	0.15	0.17	0.02	0.41
Perfluorobutanoic acid	120	1.50	1.67	0.17	4.06
Perfluorohexanesulfonic acid	5	0.06	0.07	0.01	0.17
Perfluorohexanoic acid	11	0.14	0.15	0.02	0.37
Perfluorooctanoic acid	17	0.21	0.24	0.02	0.57
Perfluoropentanoic acid	24	0.30	0.33	0.03	0.81
Total PFAS	NA	2.36	2.63	0.26	6.39

Notes:

PFAS - Per- and polyfluoroalkyl substances

ng/L - nanograms per liter, equivalent to parts per trillion

*Assumes 1,500-gallon in scrubber tank

**Assumes 90% removal efficiency in the scrubber

***Based on scrubber water that was changed 15 days prior to test