compared to previous measurements at the same sampling position. The mean raw gas concentration decreased from 1.87 ng TEQ/Nm^3 d.g. @11% O_2 to 0.47 ng TEQ/Nm^3 d.g. @11% O_2, corresponding to a decrease of 75% according to Table 2.

Table 2: PCDD/F raw gas concentrations in ng TEQ/Nm^3 d.g. @11% O_2 (downstream of the ESP) from the MEC Waste-to-Energy plant (DK) for line L1 with Sulfur Recirculation in operation (rec) and in normal operation (ref), as well as for line L2 without Sulfur Recirculation (ref).

	L1 rec	L1 ref	L2 ref
2004-10-26		1.1	
2004-11-17		1.3	0.71
2004-12-08		2.2	1.18
2005-08-02		4.8	2.3
2005-11-08		1.6	1.6
2017-09-19	0.45		
2017-09-20	0.49		

The dioxin concentrations upstream of the dioxin removal system decreased by 75% and the dioxin emissions decreased by 72% in the MEC Waste to Energy plant with Sulfur Recirculation in operation. In addition to decreasing the high temperature corrosion, Sulfur Recirculation can also decrease dioxin formation and emissions.

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