

MVR Emissions 1999 - 2008

	units	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Average	Permit limit
NOx	mg/m ³	80	82	83	78	79	79	66	78	76	88	78.9	100
CO	mg/m ³	8.4	8.0	6.9	6.7	6.5	6.8	12	15	13	13	9.63	50
Particulates	mg/m ³	0.14	0.4	0.4	0.6	0.79	0.4	0.8	0.9	0.01	0.1	0.45	3
Ctot	mg/m ³	0.52	0.5	0.4	0.35	0.31	0.4	0.7	0.8	0.2	0.3	0.45	8
HCL	mg/m ³	0.35	0.1	0.1	0.24	0.1	0.2	0.5	0.9	0.3	0.1	0.29	3
SO ₂	mg/m ³	3.5	2.44	4.6	6.1	2.23	2.0	3.3	5.4	2.6	1.6	3.38	15
HF	mg/m ³	0.05	0.03	0.02	0.02	0.02	0.02	0.03	0.06	0.03	0.02	0.03	0.1
Cd,Th	mg/m ³	0.0003	0.0006	0.0006	0.0006	0.0006	0.0005	0.0005	0.0006	0.0006	0.0004	0.00053	0.002
Hg	mg/m ³	0.00035	0.0005	0.0004	0.00025	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.00033	0.02
Sb,As,Pb,Cr,Co, Cu,Mn,Ni,Va,Sn	mg/m ³	0.017	0.008	0.0079	0.008	0.0087	0.009	0.008	0.021	0.008	0.007	0.0103	0.05
As,BaP,Cd,Co,Cr	µg/m ³					1.5	1.7	1.6	2.4	1.6	1.7	1.75	50
PCDD/F	ng/m ³	0.0002	0.0023	0.0017	0.004	0.0027	0.001	0.0004	0.0025	0.0024	0.0022	0.0019	0.05

m³:equal dscm:

reference oxygen content: CO 11%, all others approx. 7-8% (actual oxygen-content of emitted flue gas), in accordance with 17th Ordinance

PCDD/F (dioxins, furans) measured as International Toxic Equivalents according to WHO

Conversion factor from mg/m³ to ppm_{dv}: NOx 0.52; CO 0.86; SO₂ 0.376; HCL 0.66; HF 1.20

Detection limit, mg/m³: HF 0.04

Detection limit, µg/m³: Cd 0.05; Tl 1.0; Hg 0.5; Sb, As, Pb, Cr, Co, Mn, Sn 1.0; Cu, Ni 2.0; Va 4.0; BaP 0.5 (assumed)

Detection limit, ng/m³: PCDD/F 0.005 ng/m³ (any values measured below 0.005 ng/m³ are neglected)