

# Elementa Steam Reforming Technology

- Air Emission Performance
  - Elementa benchmarks its emissions against world class standards

PARAMETER	UNIT	STANDARDS			ELEMENTA
		EU	CALIFORNIA	CANADA (ONTARIO A-7)	
Particulate Matter	mg/Nm <sup>3</sup>	9	16	17	0.34
Cadmium	µg/Nm <sup>3</sup>	46	10	14	0.04
Lead	µg/Nm <sup>3</sup>	n/a	140	142	0.63
Mercury	µg/Nm <sup>3</sup>	46	60	20	0.14
Dioxins and Furans	ng/Nm <sup>3</sup>	0.092	9	0.08	0.002
Hydrochloric Acid	mg/Nm <sup>3</sup>	9	27	27	0.59
Sulphur Dioxide	mg/Nm <sup>3</sup>	46	56	56	8
Nitrogen Oxides	mg/Nm <sup>3</sup>	183	202	207	177*
Organic Matter	mg/Nm <sup>3</sup>	9	n/a	66	1.214

\*Test equipment created high level, not the syngas. Will be managed below 25%