

Emission standard of air pollutants for hazardous waste incineration

Abstract

1 This standard specifies the requirements for the control, monitoring, implementation and supervision of the emission of air pollutants from the incineration of hazardous waste (including medical waste and special types of hazardous waste) in Shanghai.

2 This standard applies to the emission management of air pollutants from the existing of hazardous waste incineration facility (including medical waste, special types of hazardous waste) within the jurisdiction of Shanghai, as well as the environmental impact assessment, design and construction of the new, modified and expanded hazardous waste incineration projects, and the project's completion acceptance of environmental protection, discharge permit management and air pollutant emission management after it completion.

3 This standard adopts single factor evaluation methods. When a single monitoring item exceeds the standard, the hazardous waste incineration facilities will be judged not to comply with the standard.

4 For the emission of flue gas pollutants from existing incineration facilities, the limit requirements specified in DB/31 767-2013 shall be implemented before June 1, 2024, and the limit requirements specified in this standard shall be implemented from June 1, 2024. the new, modified and expanded hazardous waste incineration facilities must implement the standard when it comes into effect.

5 The maximum allowable emission limits for incineration exhaust pollutants in this standard are:

units : mg/m³

No.	Item	Emission limit values	Sampling periods
1	Dust	20	1-hour average value
		10	24-hour average value or daily average value
2	Carbon monoxide (CO)	50	1-hour average value
		30	24-hour average

			value or daily average value
3	Nitrogen oxide (NO _x)	300	1-hour average value
		250	24-hour average value or daily average value
4	Sulfur oxide (SO ₂)	100	1-hour average value
		50	24-hour average value or daily average value
5	Hydrogen fluoride (HF)	2.0	1-hour average value
		1.0	24-hour average value or daily average value
6	Hydrogen chloride (HCl)	50	1-hour average value
		10	24-hour average value or daily average value
7	Mercury and its compounds (as Hg)	0.02	average value
8	Thallium and its compounds (as Tl)	0.02	average

			value
9	Cadmium and its compounds (as Cd)	0.02	average value
10	Lead and its compounds (as Pb)	0.1	average value
11	Lead and its compounds (as As)	0.1	average value
12	Chromium and its compounds (as Cr)	0.1	average value
13	Stannum、Antimony、Copper、Manganese、Nickel、Cobalt and its compounds (as Sn+Sb+Cu+Mn+Ni+Co)	0.5	average value
14	Dioxins and furans (ng TEQ/Nm ³)	0.1	average value
<p>note: All emission limit values shall be calculated at a temperature of 273,15 K, a pressure of 101,3 kPa and after correcting for the water vapor content of the waste gases. They are standardized at 11 % oxygen in waste gas.</p>			