附件4

Emission standard of air pollutants for medical solid waste incineration

Abstract

1 This standard specifies the requirements for the control, monitoring, implementation and supervision of the emission of air pollutants from medical solid waste incineration in Shanghai.

2 This standard applies to managing the emission of air pollutants from the existing of medical solid waste incineration facilities within Shanghai’s jurisdiction, as well as conducting environmental impact assessments, designing and constructing new, modified or expanded medical solid waste incineration projects. It also covers completion acceptance of environmental protection measures, discharge permit management, and post-completion air pollutant emission management.

3 This standard adopts a single-factor evaluation method where non-compliance with any individual monitoring item will deem the medical solid waste incineration facilities not meeting 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, 2025, and the limit requirements specified in this standard shall be implemented from June 1, 2025. the new, modified and expanded medical solid waste incineration facilities must implement the standard upon its effective date.

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

units：mg/m3

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| --- | --- | --- | --- |
| No. | Item | Emission limit values | Sampling periods |
| 1 | Dust  | 20 | 1-hour average value |
| 15 | Daily average value |
| 2 | Carbon monoxide （CO） | 50 | 1-hour average value |
| 40 | Daily average value |
| 3 | Nitrogen oxide （NOX） | 300 | 1-hour average value |
| 250 | Daily average value |
| 4 | Sulfur oxide（SO2） | 100 | 1-hour average value |
| 50 | Daily average value |
| 5 | Hydrogen chloride （HCl） | 50 | 1-hour average value |
| 10 | Daily average value |
| 6 | Hydrogen fluoride （HF） | 2.0 | 1-hour average value |
| 1.0 | Daily average value |
| 7 | Mercury and its compounds（as Hg ） |  0.05 | 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 ） | 0.5 | average value |
| 11 | Arsenic and its compounds（as As ） | 0.5 | average value |
| 12 | Chromium and its compounds（as Cr ） | 0.2 | average value |
| 13 | Stannum、Antimony、Copper、Manganese、Nickel Cobalt and its compounds（as Sn+ Sb+ Cu+ Mn +Ni + Co ） |  0.8 | average value |
| 14 | Dioxins and furans （ng TEQ/Nm3） | 0.1 | average value |
| 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. |