**Section 229.125 Emissions Limits for Small, Medium, and Large HMIWIs**

The emission limits in this Section shall apply at all times to HMIWIs identified in Section 229.110(a), except as provided in Section 229.110(b) of this Part and Section 229.126 of this Subpart.

a) Before January 1, 2014, each owner or operator of a small, medium, or large HMIWI as defined in Section 229.110(a)(1) of this Part shall comply with the following emissions limits:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pollutant** | **Units**  (7% oxygen, dry basis) | **HMIWI EMISSIONS LIMITS** | | |
| **Small** | **Medium** | **Large** |
| Particulate matter | Milligrams per dry standard cubic meter (mg/dscm) (grains per dry standard cubic foot (gr/dscf)) | 115 (0.05) | 69 (0.03) | 34 (0.015) |
| Carbon monoxide | Parts per million by volume (ppmv) | 40 | 40 | 40 |
| Dioxins/furans | Nanograms per dry standard cubic meter total dioxins/furans (ng/dscm) (grains per billion dry standard cubic feet (gr/109 dscf)) or ng/dscm TEQ (gr/109 dscf) | 125 (55) or 2.3 (1.0) | 125 (55) or 2.3 (1.0) | 125 (55) or 2.3 (1.0) |
| Hydrogen chloride | (ppmv) or percent reduction | 100 or 93% | 100 or 93% | 100 or 93% |
| Sulfur dioxide | (ppmv) | 55 | 55 | 55 |
| Nitrogen oxides | (ppmv) | 250 | 250 | 250 |
| Lead | mg/dscm (grains per thousand dry standard cubic feet (gr/103 dscf)) or percent reduction | 1.2 (0.52) or 70% | 1.2 (0.52) or 70% | 1.2 (0.52) or 70% |
| Cadmium | mg/dscm (gr/103 dscf) or percent reduction | 0.16 (0.07) or 65% | 0.16 (0.07) or 65% | 0.16 (0.07) or 65% |
| Mercury | mg/dscm (gr/103 dscf) or percent reduction | 0.55 (0.24) or 85% | 0.55 (0.24) or 85% | 0.55 (0.24) or 85% |

b) No owner or operator of a small, medium, or large HMIWI subject to emissions limits listed under subsection (a) of this Section shall cause or allow any emissions that cause greater than 10 percent opacity, as measured on a 6-minute block average, according to Method 9, 40 CFR 60, appendix A, incorporated by reference in Section 229.104(d) of this Part, from any stack used by an HMIWI.

c) On and after January 1, 2014, except as provided for in Section 229.115(b)(3) or Section 229.116(c)(4), as applicable,each owner or operator of a small, medium, or large HMIWI, as defined in Section 229.110(a)(1) and (a)(2) of this Part, shall comply with the following emissions limits, as applicable:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pollutant** | **Units**  (7% oxygen, dry basis) | **HMIWI EMISSIONS LIMITS** | | |
| **Small** | **Medium** | **Large** |
| Particulate matter | Milligrams per dry standard cubic meter (mg/dscm) (grains per dry standard cubic foot (gr/dscf)) | 66 (0.029) | 46 (0.020)**a** 34 (0.015)**b** | 25 (0.011) |
| Carbon monoxide | Parts per million by volume (ppmv) | 20 | 5.5 | 11 |
| Dioxins/furans | Nanograms per dry standard cubic meter total dioxins/furans (ng/dscm) (grains per billion dry standard cubic feet (gr/109 dscf)) or ng/dscm TEQ (gr/109 dscf) | 16 (7.0) or 0.013 (0.0057) | 0.85 (0.37) or 0.020 (0.0087) | 9.3 (4.1) or 0.054 (0.024) |
| Hydrogen chloride | (ppmv) | 44**a** 15**b** | 7.7 | 6.6 |
| Sulfur dioxide | (ppmv) | 4.2 | 4.2 | 9.0 |
| Nitrogen oxides | (ppmv) | 190 | 190 | 140 |
| Lead | mg/dscm (grains per thousand dry standard cubic feet (gr/103 dscf)) | 0.31 (0.14) | 0.018 (0.0079) | 0.036 (0.016) |
| Cadmium | mg/dscm (gr/103 dscf) | 0.017 (0.0074) | 0.013 (0.0057) | 0.0092 (0.0040) |
| Mercury | mg/dscm (gr/103 dscf) | 0.014 (0.0061) | 0.025 (0.011) | 0.018 (0.0079) |

**a**Emissions limits for HMIWIs as defined in Section 229.110(a)(1) of this Part.

**b**Emissions limits for HMIWIs as defined in Section 229.110(a)(2) of this Part.

d) No owner or operator of a small, medium, or large HMIWI subject to emission limits listed under subsection (c) of this Section shall cause or allow any emissions that cause greater than 6 percent opacity, as measured on a 6-minute block average, according to Method 9, 40 CFR 60, appendix A, incorporated by reference at Section 229.104(d) of this Part, from any stack used by an HMIWI.

e) On and after the date on which the initial performance test is completed or required to be completed under Section 229.142 of this Part, whichever date comes first, no owner or operator of an HMIWI, as defined in Section 229.110 (a)(1) or (a)(2) of this Part and subject to the emissions limits under subsection (c) of this Section, shall cause to be discharged into the atmosphere visible emissions of combustion ash from an ash conveying system (including conveyor transfer points), enclosures of ash conveying systems, buildings, or other sources in excess of 5 percent of the observation period of 9 minutes per 3-hour period, according to Method 22, 40 CFR 60, appendix A, incorporated by reference in Section 229.104(d) of this Part, except as provided by the following exclusions:

1) Visible emissions discharged inside buildings or enclosures of ash conveying systems; or

2) During maintenance and repair of ash conveying systems. Maintenance and/or repair shall not exceed 10 operating days per calendar quarter unless the owner or operator of an HMIWI makes a request to the Agency in writing for a longer period of time to complete maintenance and/or repair, and the Agency approves the owner's or operator's request in writing.

(Source: Amended at 35 Ill. Reg. 16615, effective September 30, 2011)