Kansas Administrative Regulations

Department of Health and Environment

Article 19.—Ambient Air Quality Standards and Air Pollution Control—Standards for Hospital/Medical/Infectious Waste Incinerators.

28-19-729b. "Hospital/medical/infectious waste incinerators"; emission standards.

(a)(1) The owner or operator of a "hospital/medical/infectious waste incinerator," or HMIWI, subject to these HMIWI regulations shall not cause or permit emissions from the HMIWI to exceed a visible contaminant emission greater than 10 percent opacity during a six-minute block average, measured as specified in 40 C.F.R. 60.56c as adopted in K.A.R. 28-19-729g.

(2) The owner or operator of any HMIWI subject to these regulations shall not cause or permit emissions from the HMIWI of any pollutants to exceed the emission limits listed in Table 1 of this regulation, measured as specified in 40 C.F.R. 60.56c, as adopted in K.A.R. 28-19-729g.

Table 1

Emission Limits for HMIWI

Pollutant	Units	Emission Limits (7% oxygen, dry basis)			
		HMIWI Size			
		Small Rural	Small	Medium	Large
Particulate Matter (PM)	Milligrams per dry standard cubic meter (mg/dscm)	197	115	69	34
Carbon	Parts per	40	40	40	40

Monoxide (CO)	million by volume (ppmv)				
Dioxins/furans	Nanograms per dscm total dioxins/furans, or Nanograms per dscm TEQ*	800 total 15 TEQ	125 total 2.3 TEQ	125 total 2.3 TEQ	125 total 2.3 TEQ
Hydrogen Chloride (HCL)	ppmv, or percent (%) reduction	3,100 ppmv	100 ppmv 93%	100 ppmv 93%	100 ppmv 93%
Sulfur Dioxide (SO_2)	ppmv	55	55	55	55
Nitrogen Oxides (NO_x)	ppmv	250	250	250	250
Lead (Pb)	mg/dscm, or percent (%) reduction	10 mg/dscm	1.2 mg/dscm 70%	1.2 mg/dscm 70%	1.2mg/dscm 70%
Cadmium (Cd)	mg/dscm, or percent (%) reduction	4 mg/dscm	0.16 mg/dscm 65%	0.16 mg/dscm 65%	0.16 mg/dscm 65%
Mercury (Hg)	mg/dscm, or percent (%) reduction	7.5 mg/dscm	0.55 mg/dscm	0.55 mg/dscm	0.55 mg/dscm 85%

			85%	85%	

* TEQ is used to abbreviate "Toxic Equivalent." See 40 CFR 60.51c as adopted in K.A.R. 28-19-729a.

(b) Exceptions. Air emissions opacity levels that exceed the specified limits in paragraph (a)(1) of this regulation shall not be considered a violation of this regulation if the owner or operator of the emission unit demonstrates to the satisfaction of the department that the opacity exceedence is due solely to the presence of uncombined water in the plume.

(Authorized by and implementing K.S.A. 1998 Supp. 65-3005; effective May 5, 2000.)

***** Authenticated Kansas Administrative Regulation *****