## 40 CFR Part 63, Subpart EEE - Requirements Reference Tables

## **Subpart EEE Standards**

- §63.1206(b)(9)(i)|1 Alternative standards for existing or new hazardous waste burning lightweight aggregate kilns using MACT (for mercury emission standards)
- §63.1206(b)(9)(i)|2 Alternative standards for existing or new hazardous waste burning lightweight aggregate kilns using MACT (for hydrogen chloride/chlorine gas emission standards)
- §63.1206(b)(9)(i)|3 Alternative standards for existing or new hazardous waste burning lightweight aggregate kilns using MACT (for semivolatile metals emission standards)
- §63.1206(b)(9)(i)|4 Alternative standards for existing or new hazardous waste burning lightweight aggregate kilns using MACT (for low volatile metals emissions standards)
- §63.1206(b)(10)(i)|1 Alternative standards for existing or new hazardous waste burning cement kilns using MACT (for mercury emission standards)
- §63.1206(b)(10)(i)|2 Alternative standards for existing or new hazardous waste burning cement kilns using MACT (for hydrogen chloride/chlorine gas emission standards)
- §63.1206(b)(10)(i)|3 Alternative standards for existing or new hazardous waste burning cement kilns using MACT (for semivolatile metals emission standards)
- §63.1206(b)(10)(i)|4 Alternative standards for existing or new hazardous waste burning cement kilns using MACT (for low volatile metals emission standards)
- §63.1206(b)(13)(i)(A)(1) THC standards for existing cement kilns that feed hazardous waste at a location other than the end where products are normally discharged and where fuels are normally fired, main stack option
- §63.1206(b)(13)(i)(A)(2) THC standards for existing cement kilns that feed hazardous waste at a location other than the end where products are normally discharged and where fuels are normally fired, by-pass duct and preheater tower option
- §63.1206(b)(13)(i)(A)(3) THC standards for existing cement kilns, when only firing location of hazardous waste upstream of the point where combustion gases are diverted into the bypass duct is at the kiln end where products are normally discharged
- §63.1206(b)(13)(i)(B)(1) THC standards for new cement kilns that feed hazardous waste at a location other than the end where products are normally discharged and where fuels are normally fired, main stack option
- §63.1206(b)(13)(i)(B)(2)(i) THC standards for new cement kilns that feed hazardous waste at a location other than the end where products are normally discharged and where fuels are normally fired, by-pass duct and preheater tower option
- §63.1206(b)(13)(i)(B)(3)(i) THC standards for new cement kilns, when only firing location of hazardous waste upstream of the point where combustion gases are diverted into the bypass duct is at the kiln end where products are normally discharged
- \\$63.1216(a)(1)|1 Dioxins/Furans standards for existing solid fuel boilers, CO emissions
- §63.1216(a)(1)|2 Dioxins/Furans standards for existing solid fuel boilers, hydrocarbon emissions
- §63.1216(a)(2) Hg standards for existing solid fuel boilers
- §63.1216(a)(3) Cd/Pb standards for existing solid fuel boilers
- §63.1216(a)(4) As/Be/Cr standards for existing solid fuel boilers
- §63.1216(a)(5)(i) CO/THC standards for existing solid fuel boilers

- §63.1216(a)(5)(ii) THC standards for existing solid fuel boilers
- <u>§63.1216(a)(6)</u> Total Chlorine standards for existing solid fuel boilers
- <u>§63.1216(a)(7)</u> PM standards for existing solid fuel boilers
- \\$63.1216(b)(1)|1 Dioxins/Furans standards for new solid fuel boilers, CO emissions
- §63.1216(b)(1)|2 Dioxins/Furans standards for new solid fuel boilers, hydrocarbon emissions
- §63.1216(b)(2) Hg standards for new solid fuel boilers
- §63.1216(b)(3) Cd/Pb standards for new solid fuel boilers
- §63.1216(b)(4) As/Be/Cr standards for new solid fuel boilers
- §63.1216(b)(5)(i) CO/THC standards for new solid fuel boilers
- §63.1216(b)(5)(ii) THC standards for new solid fuel boilers
- §63.1216(b)(6) Total Chlorine standards for new solid fuel boilers
- §63.1216(b)(7) PM standards for new solid fuel boilers
- §63.1216(c)(1) POHC standards for existing or new solid fuel boilers not burning specified dioxin-listed hazardous wastes
- §63.1216(c)(2) POHC standards for existing or new solid fuel boilers burning specified dioxin-listed hazardous wastes
- §63.1216(e)(2)(i) Alternative Cd/Pb/Se metal emission control requirements for existing solid fuel boilers
- §63.1216(e)(2)(ii) Alternative Sb/As/Be/Cr/Co/Mn/Ni metal emission control requirements for existing solid fuel boilers
- §63.1216(e)(3)(i) Alternative Cd/Pb/Se metal emission control requirements for new solid fuel boilers
- §63.1216(e)(3)(ii) Alternative Sb/As/Be/Cr/Co/Mn/Ni metal emission control requirements for new solid fuel boilers
- §63.1217(a)(1)(i) Dioxins/Furans standards for existing liquid fuel boilers equipped with a dry air pollution control system
- §63.1217(a)(1)(ii)|1 Dioxins/Furans standards for existing liquid fuel boilers not equipped with a dry air pollution control system, CO emissions
- §63.1217(a)(1)(ii)|2 Dioxins/Furans standards for existing liquid fuel boilers not equipped with a dry air pollution control system, hydrocarbon emissions
- §63.1217(a)(2)(i) Hg standards for existing liquid fuel boilers with hazardous waste asfired heating value less than 10,000 Btu/lb
- §63.1217(a)(2)(ii) Hg standards for existing liquid fuel boilers with hazardous waste asfired heating value 10,000 Btu/lb or greater
- §63.1217(a)(3)(i) Cd/Pb standards for existing liquid fuel boilers with hazardous waste asfired heating value less than 10,000 Btu/lb
- §63.1217(a)(3)(ii) Cd/Pb standards for existing liquid fuel boilers with hazardous waste asfired heating value 10,000 Btu/lb or greater
- §63.1217(a)(4)(i) Cr standards for existing liquid fuel boilers with hazardous waste as-fired heating value less than 10,000 Btu/lb
- §63.1217(a)(4)(ii) Cr standards for existing liquid fuel boilers with hazardous waste asfired heating value 10,000 Btu/lb or greater
- §63.1217(a)(5)(i) CO/THC standards for existing liquid fuel boilers
- §63.1217(a)(5)(ii) THC standards for existing liquid fuel boilers

- §63.1217(a)(6)(i) Total Chlorine standards for existing liquid fuel boilers with hazardous waste as-fired heating value less than 10,000 Btu/lb
- §63.1217(a)(6)(ii) Total Chlorine standards for existing liquid fuel boilers with hazardous waste as-fired heating value 10,000 Btu/lb or greater
- §63.1217(a)(7) PM standards for existing liquid fuel boilers
- §63.1217(b)(1)(i) Dioxins/Furans standards for new liquid fuel boilers equipped with a dry air pollution control system
- §63.1217(b)(1)(ii)|1 Dioxins/Furans standards for new liquid fuel boilers not equipped with a dry air pollution control system, CO emissions
- §63.1217(b)(1)(ii)|2 Dioxins/Furans standards for new liquid fuel boilers not equipped with a dry air pollution control system, hydrocarbon emissions
- §63.1217(b)(2)(i) Hg standards for new liquid fuel boilers with hazardous waste as-fired heating value less than 10,000 Btu/lb
- §63.1217(b)(2)(ii) Hg standards for new liquid fuel boilers with hazardous waste as-fired heating value 10,000 Btu/lb or greater
- §63.1217(b)(3)(i) Cd/Pb standards for new liquid fuel boilers with hazardous waste as-fired heating value less than 10,000 Btu/lb
- §63.1217(b)(3)(ii) Cd/Pb standards for new liquid fuel boilers with hazardous waste asfired heating value 10,000 Btu/lb or greater
- §63.1217(b)(4)(i) Cr standards for new liquid fuel boilers with hazardous waste as-fired heating value less than 10,000 Btu/lb
- §63.1217(b)(4)(ii) Cr standards for new liquid fuel boilers with hazardous waste as-fired heating value 10,000 Btu/lb or greater
- §63.1217(b)(5)(i) CO/THC standards for new liquid fuel boilers
- §63.1217(b)(5)(ii) THC standards for new liquid fuel boilers
- §63.1217(b)(6)(i) Total Chlorine standards for new liquid fuel boilers with hazardous waste as-fired heating value less than 10,000 Btu/lb
- §63.1217(b)(6)(ii) Total Chlorine standards for new liquid fuel boilers with hazardous waste as-fired heating value 10,000 Btu/lb or greater
- §63.1217(b)(7) PM standards for new liquid fuel boilers
- §63.1217(c)(1) POHC standards for existing or new liquid fuel boilers not burning specified dioxin-listed hazardous wastes
- §63.1217(c)(2) POHC standards for existing or new liquid fuel boilers burning specified dioxin-listed hazardous wastes
- §63.1217(e)(2)(i)(A) Alternative Cd/Pb/Se metal emission control requirements for existing liquid fuel boilers with hazardous waste as-fired heating value less than 10,000 Btu/lb
- §63.1217(e)(2)(i)(B) Alternative Sb/As/Be/Cr/Co/Mn/Ni metal emission control requirements for existing liquid fuel boilers with hazardous waste as-fired heating value less than 10,000 Btu/lb
- §63.1217(e)(2)(ii)(A) Alternative Cd/Pb/Se metal emission control requirements for existing liquid fuel boilers with hazardous waste as-fired heating value 10,000 Btu/lb or greater
- §63.1217(e)(2)(ii)(B) Alternative Sb/As/Be/Cr/Co/Mn/Ni metal emission control requirements for existing liquid fuel boilers with hazardous waste as-fired heating value

- 10,000 Btu/lb or greater
- §63.1217(e)(3)(i)(A) Alternative Cd/Pb/Se metal emission control requirements for new liquid fuel boilers with hazardous waste as-fired heating value less than 10,000 Btu/lb
- §63.1217(e)(3)(i)(B) Alternative Sb/As/Be/Cr/Co/Mn/Ni metal emission control requirements for new liquid fuel boilers with hazardous waste as-fired heating value less than 10.000 Btu/lb
- §63.1217(e)(3)(ii)(A) Alternative Cd/Pb/Se metal emission control requirements for new liquid fuel boilers with hazardous waste as-fired heating value 10,000 Btu/lb or greater
- §63.1217(e)(3)(ii)(B) Alternative Sb/As/Be/Cr/Co/Mn/Ni metal emission control requirements for new liquid fuel boilers with hazardous waste as-fired heating value 10,000 Btu/lb or greater
- §63.1218(a)(1)|1 Dioxins/Furans standards for existing HCl production furnaces, CO emissions
- <u>§63.1218(a)(1)|2</u> Dioxins/Furans standards for existing HCl production furnaces, hydrocarbon emissions
- §63.1218(a)(2) Hg standards for existing HCl production furnaces
- §63.1218(a)(3) Cd/Pb standards for existing HCl production furnaces
- §63.1218(a)(4) As/Be/Cr standards for existing HCl production furnaces
- §63.1218(a)(5)(i) CO/THC standards for existing HCl production furnaces
- §63.1218(a)(5)(ii) THC standards for existing HCl production furnaces
- §63.1218(a)(6)(i) Total Chlorine standards for existing HCl production furnaces, ppmv option
- §63.1218(a)(6)(ii) Total Chlorine standards for existing HCl production furnaces, SRE option
- §63.1218(a)(7) PM standards for existing HCl production furnaces
- §63.1218(b)(1)|1 Dioxins/Furans standards for new HCl production furnaces, CO emissions
- §63.1218(b)(1)|2 Dioxins/Furans standards for new HCl production furnaces, hydrocarbon emissions
- §63.1218(b)(2) Hg standards for new HCl production furnaces
- §63.1218(b)(3) Cd/Pb standards for new HCl production furnaces
- §63.1218(b)(4) As/Be/Cr standards for new HCl production furnaces
- §63.1218(b)(5)(i) CO/THC standards for new HCl production furnaces
- §63.1218(b)(5)(ii) THC standards for new HCl production furnaces
- §63.1218(b)(6)(i) Total Chlorine standards for new HCl production furnaces, ppmv option
- §63.1218(b)(6)(ii) Total Chlorine standards for new HCl production furnaces, SRE option
- §63.1218(b)(7) PM standards for new HCl production furnaces
- §63.1218(c)(1) POHC standards for existing or new HCl production furnaces not burning specified dioxin-listed hazardous wastes
- §63.1218(c)(2) POHC standards for existing or new HCl production furnaces burning specified dioxin-listed hazardous wastes
- §63.1219(a)(1)(i)(A) Dioxins/Furans standards for existing incinerators equipped with either a waste heat boiler or dry air pollution control system and combustion gas temperature at the inlet to the initial PM control device is not 400°F or lower
- §63.1219(a)(1)(i)(B) Dioxins/Furans standards for existing incinerators equipped with

- either a waste heat boiler or dry air pollution control system and combustion gas temperature at the inlet to the initial PM control device is 400°F or lower
- §63.1219(a)(1)(ii) Dioxins/Furans standards for existing incinerators not equipped with either a waste heat boiler or dry air pollution control system
- §63.1219(a)(2) Hg standards for existing incinerators
- <u>§63.1219(a)(3)</u> Cd/Pb standards for existing incinerators
- §63.1219(a)(4) As/Be/Cr standards for existing incinerators
- §63.1219(a)(5)(i) CO/THC standards for existing incinerators
- §63.1219(a)(5)(ii) THC standards for existing incinerators
- §63.1219(a)(6) Total Chlorine standards for existing incinerators
- <u>§63.1219(a)(7)</u> PM standards for existing incinerators
- §63.1219(b)(1)(i) Dioxins/Furans standards for new incinerators equipped with either a waste heat boiler or dry air pollution control system
- §63.1219(b)(1)(ii) Dioxins/Furans standards for new incinerators not equipped with either a waste heat boiler or dry air pollution control system
- §63.1219(b)(2) Hg standards for new incinerators
- §63.1219(b)(3) Cd/Pb standards for new incinerators
- \\$63.1219(b)(4) As/Be/Cr standards for new incinerators
- §63.1219(b)(5)(i) CO/THC standards for new incinerators
- §63.1219(b)(5)(ii) THC standards for new incinerators
- §63.1219(b)(6) Total Chlorine standards for new incinerators
- §63.1219(b)(7) PM standards for new incinerators
- §63.1219(c)(1) POHC standards for existing or new incinerators not burning specified dioxin-listed hazardous wastes
- §63.1219(c)(2) POHC standards for existing or new incinerators burning specified dioxinlisted hazardous wastes
- §63.1219(e)(2)(i) Alternative Cd/Pb/Se metal emission control requirements for existing incinerators
- §63.1219(e)(2)(ii) Alternative Sb/As/Be/Cr/Co/Mn/Ni metal emission control requirements for existing incinerators
- §63.1219(e)(3)(i) Alternative Cd/Pb/Se metal emission control requirements for new incinerators
- <u>§63.1219(e)(3)(ii)</u> Alternative Sb/As/Be/Cr/Co/Mn/Ni metal emission control requirements for new incinerators
- §63.1220(a)(1)(i) Dioxins/Furans standards for existing cement kilns where combustion gas temperature at the inlet to the initial dry particulate matter control device is not 400°F or lower
- §63.1220(a)(1)(ii) Dioxins/Furans standards for existing cement kilns where combustion gas temperature at the inlet to the initial dry particulate matter control device is 400°F or lower
- §63.1220(a)(2)(i) Hg standards for existing cement kilns
- §63.1220(a)(3) Cd/Pb standards for existing cement kilns
- §63.1220(a)(4) As/Be/Cr standards for existing cement kilns
- §63.1220(a)(5)(i)(A) CO/THC standards for existing cement kilns equipped with a by-pass duct or midkiln gas sampling system

- §63.1220(a)(5)(i)(B) THC standards for existing cement kilns equipped with a by-pass duct or midkiln gas sampling system
- §63.1220(a)(5)(ii)(A) THC standards for existing cement kilns not equipped with a by-pass duct or midkiln gas sampling system
- §63.1220(a)(5)(ii)(B) CO/THC standards for existing cement kilns not equipped with a bypass duct or midkiln gas sampling system
- §63.1220(a)(6) Total Chlorine standards for existing cement kilns
- §63.1220(a)(7)(i) PM standards for existing cement kilns
- §63.1220(a)(7)(ii) PM(Opacity) standards for existing cement kilns
- §63.1220(b)(1)(i) Dioxins/Furans standards for new cement kilns where combustion gas temperature at the inlet to the initial dry particulate matter control device is not 400°F or lower
- §63.1220(b)(1)(ii) Dioxins/Furans standards for new cement kilns where combustion gas temperature at the inlet to the initial dry particulate matter control device is 400°F or lower
- §63.1220(b)(2)(i) Hg standards for new cement kilns
- §63.1220(b)(3) Cd/Pb standards for new cement kilns
- §63.1220(b)(4) As/Be/Cr standards for new cement kilns
- §63.1220(b)(5)(i)(A)(1) CO standards for new cement kilns equipped with a by-pass duct or midkiln gas sampling system
- §63.1220(b)(5)(i)(A)(2) THC standards for new cement kilns equipped with a by-pass duct or midkiln gas sampling system
- §63.1220(b)(5)(ii)(A) THC standards for new cement kilns not equipped with a by-pass duct or midkiln gas sampling system
- §63.1220(b)(5)(ii)(B)(1) CO standards for new cement kilns not equipped with a by-pass duct or midkiln gas sampling system
- §63.1220(b)(6) Total Chlorine standards for new cement kilns
- §63.1220(b)(7)(i) PM standards for new cement kilns
- §63.1220(b)(7)(ii) PM(Opacity) standards for new cement kilns
- §63.1220(c)(1) POHC standards for existing or new cement kilns not burning specified dioxin-listed hazardous wastes
- §63.1220(c)(2) POHC standards for existing or new cement kilns burning specified dioxinlisted hazardous wastes
- §63.1221(a)(1)(i) Dioxins/Furans standards for existing lightweight aggregate kilns, 0.20 ng TEQ/dscm option
- §63.1221(a)(1)(ii) Dioxins/Furans standards for existing lightweight aggregate kilns, rapid quench option
- §63.1221(a)(2)(i) Hg standards for existing lightweight aggregate kilns, 120 μg/dscm option
- §63.1221(a)(2)(ii) Hg standards for existing lightweight aggregate kilns, MTEC option
- §63.1221(a)(3) Cd/Pb standards for existing lightweight aggregate kilns
- §63.1221(a)(4) As/Be/Cr standards for existing lightweight aggregate kilns
- §63.1221(a)(5)(i) CO standards for existing lightweight aggregate kilns
- §63.1221(a)(5)(ii) THC standards for existing lightweight aggregate kilns
- §63.1221(a)(6) Total Chlorine standards for existing lightweight aggregate kilns
- \$63.1221(a)(7) PM standards for existing lightweight aggregate kilns

- §63.1221(b)(1)(i) Dioxins/Furans standards for new lightweight aggregate kilns, 0.20 ng TEQ/dscm option
- §63.1221(b)(1)(ii) Dioxins/Furans standards for new lightweight aggregate kilns, rapid quench option
- <u>§63.1221(b)(2)(i)</u> Hg standards for new lightweight aggregate kilns, 120 μg/dscm option
- §63.1221(b)(2)(ii) Hg standards for new lightweight aggregate kilns, MTEC option
- §63.1221(b)(3) Cd/Pb standards for new lightweight aggregate kilns
- §63.1221(b)(4) As/Be/Cr standards for new lightweight aggregate kilns
- §63.1221(b)(5)(i) CO/THC standards for new lightweight aggregate kilns
- §63.1221(b)(5)(ii) THC standards for new lightweight aggregate kilns
- §63.1221(b)(6) Total Chlorine standards for new lightweight aggregate kilns
- §63.1221(b)(7) PM standards for new lightweight aggregate kilns
- <u>§63.1221(c)(1)</u> POHC standards for existing or new lightweight aggregate kilns not burning specified dioxin-listed hazardous wastes
- §63.1221(c)(2) POHC standards for existing or new lightweight aggregate kilns burning specified dioxin-listed hazardous wastes

These relationship entry screens and flowcharts are for use by sources subject to the Texas Federal Operating Permits Program only and are subject to revision.

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