

Emission Sources - Maximum Allowable Emission Rates

Permit Number 24247

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (4)	
			lbs/hour	TPY (5)
1	Waste Incinerator 1 (avg. feed rate of 4,167 lb/hr)	VOC	2.0	8.9
		NO _x	5.0	12.3
		NO _x (maintenance)	12.9	
		SO ₂	3.6	4.4
		PM ₁₀	1.2	5.3
		PM _{2.5}	1.2	5.3
		CO	2.6	5.3
		HCl	1.5	4.25
		As	1.4E-03	6.1E-03
		Be	5.6E-05	2.5E-04
		Cd	1.3E-03	5.7E-03
		Cr	5.6E-03	2.5E-02
		Cr[VI]	5.6E-04	2.5E-03
		Hg	5.3E-03	2.3E-02
		Mn	1.1E-02	4.8E-02
		Ni	1.7E-03	7.5E-03
		Pb	4.5E-03	2.0E-02
		Se	1.1E-02	4.8E-02
		V	2.8E-03	1.2E-02
		Zn	2.8E-01	1.2E+00
		TE 2378 TCDD	3.4E-09	1.5E-08

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2	Waste Incinerator 2 (avg. feed rate of 4,167 lb/hr)	VOC	2.0	8.9
		NO _x	5.0	12.3
		NO _x (maintenance)	12.9	
		SO ₂	3.6	4.4
		PM ₁₀	1.2	5.3
		PM _{2.5}	1.2	5.3
		CO	2.6	5.3
		HCl	1.5	4.25
		As	1.4E-03	6.1E-03
		Be	5.6E-05	2.5E-04
		Cd	1.3E-03	5.7E-03
		Cr	5.6E-03	2.5E-02
		Cr[VI]	5.6E-04	2.5E-03
		Hg	5.3E-03	2.3E-02
		Mn	1.1E-02	4.8E-02
		Ni	1.7E-03	7.5E-03
		Pb	4.5E-03	2.0E-02
		Se	1.1E-02	4.8E-02
		V	2.8E-03	1.2E-02
		Zn	2.8E-01	1.2E+00
		TE 2378 TCDD	3.4E-09	1.5E-08

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x - total oxides of nitrogen
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- CO - carbon monoxide
- HCl - hydrogen chloride

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As	- arsenic
Be	- beryllium
Cd	- cadmium
Cr	- chromium [total]
Cr[VI]	- hexavalent chromium
Hg	- mercury
Mn	- manganese
Ni	- nickel
Pb	- lead
Se	- selenium
V	- vanadium
Zn	- zinc
TE 2378 TCDD	- all polychlorinated dioxins and furans, expressed as toxic equivalent 2,3,7,8 tetrachloro, para-dibenzodioxin

(4) The allowable emission rates include planned maintenance, startup, and shutdown activities.

(5) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

Date: October 14, 2015