

# 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. 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 *	
			lb/hr	TPY
1	Waste Incinerator 1 (avg feed rate of 4,167 lb/hr)	VOC	2.0	8.9
		NO <sub>x</sub> (w/ urea)**	5.0	
		NO <sub>x</sub> (w/o urea)**	12.9	
		NO <sub>x</sub> (annual)		12.3
		SO <sub>2</sub>	3.6	4.4
		PM <sub>10</sub>	1.2	5.3
		CO	2.6	5.3
		HCl	1.5	4.25
		As	1.4E-3	6.1E-3
		Be	5.6E-5	2.5E-4
		Cd	1.3E-3	5.7E-3
		Cr	5.6E-3	2.5E-2
		Cr[VI]	5.6E-4	2.5E-3
		Hg	5.3E-3	2.3E-2
		Mn	1.1E-2	4.8E-2
		Ni	1.7E-3	7.5E-3
		Pb	4.5E-3	2.0E-2
		Se	1.1E-2	4.8E-2
		V	2.8E-3	1.2E-2
		Zn	2.8E-1	1.2E-0
		TE 2378 TCDD	3.4E-9	1.5E-8

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
2	Waste Incinerator 2 (average feed rate of 4,167 lb/hr)	VOC	2.0	8.9
		NO <sub>x</sub> (w/ urea)**	5.0	
		NO <sub>x</sub> (w/o urea)**	12.9	
		NO <sub>x</sub> (annual)		12.3
		SO <sub>2</sub>	3.6	4.4
		PM <sub>10</sub>	1.2	5.3
		CO	2.6	5.3
		HCl	1.5	4.25
		As	1.4E-3	6.1E-3
		Be	5.6E-5	2.5E-4
		Cd	1.3E-3	5.7E-3
		Cr	5.6E-3	2.5E-2
		Cr[VI]	5.6E-4	2.5E-3
		Hg	5.3E-3	2.3E-2
		Mn	1.1E-2	4.8E-2
		Ni	1.7E-3	7.5E-3
		Pb	4.5E-3	2.0E-2
		Se	1.1E-2	4.8E-2
		V	2.8E-3	1.2E-2
		Zn	2.8E-1	1.2E-0
		TE 2378 TCDD	3.4E-9	1.5E-8

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- (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) PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
  - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - NO<sub>x</sub> - total oxides of nitrogen
  - SO<sub>2</sub> - sulfur dioxide
  - CO - carbon monoxide
  - HCl - hydrogen chloride
  - 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

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

\*\* The NO<sub>x</sub> emission rate of 5.0 lb/hr is applicable at all times unless the urea injection system is down for maintenance activities.

Dated March 23, 2007