

# 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 (4)	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)		(5)
		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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2	Waste Incinerator 2 (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)		(5)
		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
GENSTACK	Genset Engines (6)	VOC	0.47	2.08
		NO <sub>x</sub>	0.47	(5)
		CO	1.81	7.94
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.11	0.47
		SO <sub>2</sub>	0.04	0.18
		NH <sub>3</sub>	0.13	0.57
		HCl	0.03	0.14
EMERGFLR	Flare and Preheaters (6)	VOC	1.08	1.37
		NO <sub>x</sub>	0.90	(5)
		CO	3.08	4.57
		PM <sub>10</sub> /PM <sub>2.5</sub>	0.85	1.03
		SO <sub>2</sub>	0.02	0.03
FEEDFUG	Shredder and Waste Loading Emissions	PM <sub>10</sub>	0.05	0.29

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
  - (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
  - (3) 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
  - PM
    - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>
  - PM<sub>10</sub>
    - particulate matter equal to or less than 10 microns in diameter
  - PM<sub>2.5</sub>
    - particulate matter equal to or less than 2.5 microns in diameter
  - CO
    - carbon monoxide
  - NH<sub>3</sub>
    - ammonia
  - 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
- (4) Emission rate is based on a one-hour average in accordance with the monitoring and testing provisions of this permit.
  - (5) The annual emissions of NO<sub>x</sub> are subject to a rolling 12-month cap of 24.6 tons per year.
  - (6) Includes startup and shutdown
- \* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

\_\_\_\_Hrs/day \_\_\_\_Days/week \_\_\_\_Weeks/year or 8,760 Hrs/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

\*\*\* 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.

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Dated May 3, 2010