

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 42682

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 *	Source	Air Contaminant	<u>Emission Rates (4)</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
RF-070	Liquid Incinerator	NO _x	66.61	81.63
		VOC	0.33	1.46
		CO	5.63	24.65
		CO***	39.00	-
		PM	1.02	4.45
		SO ₂	0.01	0.05
		HCl	1.54	6.74
		NH ₃	24.07	17.32
		Antimony	6.7E-02	2.9E-01
		Arsenic	4.61E-03	0.02
		Barium	6.7E-02	2.9E-01
		Beryllium	4.61E-03	2.0E-02
		Cadmium	1.14E-03	4.99E-03
		Chromium	4.61E-03	2.0E-02
		Lead	1.14E-03	4.99E-03
		Mercury	2.14E-03	1.0E-02
		Nickel	6.7E-02	2.9E-01
		Selenium	6.7E-02	2.9E-01
		Silver	6.7E-02	2.9E-01
		Thallium	6.7E-02	2.9E-01
RF-017	Liquid Waste Feed Tank TF-009	VOC	0.05	0.02
FE-041	Liquid Waste Feed Tank TE-040	VOC	0.09	0.02
		NH ₃	0.18	0.04
RF-010	Liquid Waste Feed Tank TF-002	VOC	0.01	0.01
		NH ₃	0.02	0.02
INCIN	Incinerator Fugitives (4)	VOC	0.34	1.49

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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) NO_x - total oxides of nitrogen
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code Section 101.1
CO - carbon monoxide
PM - particulate matter, suspended in the atmosphere, including PM_{10} .
 PM_{10} - 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.
 SO_2 - sulfur dioxide
HCl - hydrochloric acid
 NH_3 - ammonia
 - (4) Fugitive emissions are based on the fugitive component count provided in the application and the control factors for the 28VHP Leak Detection and Repair Program.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:
- 24 Hrs/day 7 Days/week 52 Weeks/year
- ** Compliance with annual emission limits is based on a rolling 12-month period.
- *** This hourly CO emission limit applies only during start-up and shut-down of the LIS when the hourly average CO concentration is greater than 100 ppmv. Start-up and shut-down of the LIS may not exceed periods of 7 Hrs/event or 42 Events/ year.

Dated January 18, 2011_____