

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 20577

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**
B-1	Plant Boiler 8.4 MMBTU/hr	VOC	0.05	0.20
		NO _x	0.82	3.61
		CO	0.69	3.03
		SO ₂	0.01	0.04
		PM10	0.06	0.27
BL-100	Building 100 Vent	VOC	0.16	0.01
		IOC	0.01	0.01
BL-101	Building 101 Vent	VOC	0.22	0.02
		IOC	0.28	0.03
		NH3 0.03	0.01	
SB-901	Harrington Scrubber	VOC	0.03	0.13
		IOC	0.01	0.01
		NH3 0.01	0.01	
SB-903	Facility Scrubber	VOC	7.26	5.61
		acetone	1.17	0.15
		IOC	0.50	0.05
		NH ₃ 0.55	0.71	
		PM ₁₀ 0.01	0.01	
TK-110A	Isopropyl Alcohol Blend Tank	VOC	0.01	0.01
TK-110D	Isopropyl Alcohol Blend Tank	VOC	0.01	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
D-GEN	Emergency Diesel Generator	NO _x	9.27	0.12
		CO	2.00	0.03
		SO ₂	0.61	0.01
		PM ₁₀	0.66	0.01
		VOC	0.75	0.01
G-GEN	Emergency Natural Gas Generator	NO _x	6.77	0.09
		CO	0.53	0.01
		SO ₂	0.01	0.01
		PM ₁₀	0.02	0.01
		VOC	0.20	0.01
FUG-FUEL	Diesel and Gas Loading (55-gallon drums)	VOC	0.37	0.02
HMD-LOAD	HMDS Packaging	VOC	0.21	0.01
FUG-RESRGN	Ion Exchange Resin Regeneration (4)		IOC	0.01
		0.01		
FUG-WGNLOAD	Tank Wagon Unloading (4)	VOC	0.01	0.01
		IOC	0.01	
REPR	Re-Pour of Expired Product Samples		VOC	0.01
		0.01		
		IOC	0.01	
MWLD	Welding	PM	0.01	0.01
		VOC	0.01	

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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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
IOC - inorganic compounds (unspeciated)
NO_x - total oxides of nitrogen
NO₂ - nitrogen dioxide
CO - carbon monoxide
SO₂ - sulfur dioxide
PM - particulate matter
PM₁₀ - particulate matter equal to or less than 10 microns in diameter
H₂O₂ - hydrogen peroxide
HNO₃ - nitric acid
NH₃ - ammonia
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations..

* 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 the annual emission rates is based on 12-months rolling basis.

Dated August 3, 2006