

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 86779, PSDTX1184, and HAP38

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**
BLR	Stoker Boiler (Routine and Startup/Shutdown)	NO _x	101.0	443.0
		CO	209.0	915.0
		VOC	11.5	50.2
		PM ₁₀ /PM _{2.5}	17.5	76.7
		SO ₂	16.8	73.8
		NH ₃	12.0	52.4
		HCl	12.8	56.1
		H ₂ SO ₄	0.67	2.95
		Pb	0.03	0.14
COOLTWR	Cooling Tower	PM	0.12	0.53
		PM ₁₀	0.10	0.42
EG1	Emergency Generator 1	NO _x	16.4	1.64
		CO	2.11	0.21
		VOC	0.33	0.03
		PM/PM ₁₀	0.20	0.02
		SO ₂	0.97	0.10
EG2	Emergency Generator 2	NO _x	16.4	1.64
		CO	2.11	0.21
		VOC	0.33	0.03
		PM/PM ₁₀	0.20	0.02
		SO ₂	0.97	0.10
EG3	Emergency Generator 3	NO _x	16.4	1.64
		CO	2.11	0.21
		VOC	0.33	0.03
		PM/PM ₁₀	0.20	0.02

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SO₂ 0.97 0.10
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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY**
EG4	Emergency Generator 4	NO _x	16.4	1.64
		CO	2.11	0.21
		VOC	0.33	0.03
		PM/PM ₁₀	0.20	0.02
		SO ₂	0.97	0.10
FWP	Fire Water Pump	NO _x	4.56	0.27
		CO	0.59	0.04
		VOC	0.09	0.01
		PM/PM ₁₀	0.06	0.003
		SO ₂	0.27	0.02
FO-1	Fuel Oil Storage Tank #1	VOC	0.08	0.001
FO-2	Fuel Oil Storage Tank #2	VOC	0.08	0.001
FO-3	Fuel Oil Storage Tank #3	VOC	0.33	0.003
B100	B-100 Storage Tank	VOC	0.48	0.004
FUG-DSL	Diesel Fugitives (4)	VOC	0.11	0.48
FUG-B100	Biodiesel Fugitives (4)	VOC	0.11	0.48
FUG-NH3	Ammonia Fugitives (4)	NH ₃	0.003	0.02
Wood	Wood Fuel Handling (4)	PM	1.83	5.60
		PM ₁₀	0.80	2.60
Ash	Ash Handling (4)	PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
Urea	Urea Handling (4)	PM/PM ₁₀	0.75	0.08

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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_x - total oxides of nitrogen
SO₂ - sulfur dioxide
PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
PM₁₀ - particulate matter equal to or less than 10 microns in diameter
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HCl - hydrogen chloride
NH₃ - ammonia
H₂SO₄ - sulfuric acid mist
Pb - lead
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
 - * 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.

Dated January 8, 2010