

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 25384 and PSD-TX-839

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)	Source Name (3)	lb/hr	Air Contaminant TPY	Emission Rates *	
W-GT/HRSG	West GT/HRSG Stack (5)			NO _x	117.1	289.2
				CO	391.0	495.4
				SO ₂	94.9	80.1
				VOC	30.0	46.4
				PM	72.1	79.9
				PM ₁₀	71.2	75.9
				NH ₃	32.5	130.5
				Pb	0.1	<0.1
WFUG-NH ₃	Ammonia Fugitives (4)			NH ₃	<0.1	0.3
E-GT/HRSG	East GT/HRSG Stack (5)			NO _x	117.1	289.2
				CO	391.0	495.4
				SO ₂	94.9	80.1
				VOC	30.0	46.4
				PM	72.1	79.9
				PM ₁₀	71.2	75.9
				NH ₃	32.5	130.5
				Pb	0.1	<0.1
EFUG-NH ₃	Ammonia Fugitives (4)			NH ₃	0.2	0.7
CO ₂ BOILER	CO ₂ Enrichment Boiler			NO _x	7.5	32.9
				CO	22.5	98.6
				SO ₂	0.9	3.9
				VOC	0.8	3.3
				PM	0.6	2.8
				PM ₁₀	0.6	2.8
FP-1	Fire Pump (6)			NO _x	1.9	<0.1
				CO	0.4	<0.1
				SO ₂	0.1	<0.1
				VOC	0.2	<0.1
				PM	0.1	<0.1
H ₂ SO ₄ -TK	Sulfuric Acid Tank			H ₂ SO ₄	<0.1	<0.1
CAUSTIC-TK	Caustic Tank			NaOH	<0.1	<0.1

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY

OIL-TK1	Fuel Oil Tank	VOC	0.6	0.3
OIL-TK2	Fuel Oil Tank	VOC	0.6	0.3
FUG-OIL	Fuel Oil Fugitives (4)	VOC	0.9	3.9

- (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 - particulate matter
PM₁₀ - particulate matter less than 10 microns in diameter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
NH₃ - ammonia
Pb - lead
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The allowable emissions shown represent worse-case emissions for 8,040 hours and 720 hours of natural gas and fuel oil firing, respectively, in the GTs. The HRSGs fire natural gas only. Note that the PM₁₀ emissions limit represents a subset of the PM emissions limit. Therefore, the PM₁₀ and PM emissions rates are not additive.
- (6) Source qualifies for Standard Exemption No. 5.

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

Hrs/day___Days/week___Weeks/year___or Hrs/year 8,760

Dated_____

