

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 43890 and PSDTX965

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, sources, and related activities. 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	
			lbs/hour (5)	TPY (4)
Hourly Allowables (6) for each of four GE 7FAs  Stack 1, Stack 2, Stack 3 and Stack 4	DLN and SCR, Without HRSG Duct Burner Operation	NO <sub>x</sub>	37.8	
		CO	33.6	
		VOC	3.2	
		PM <sub>10</sub>	20.3	
		SO <sub>2</sub>	4.5	
		NH <sub>3</sub>	19.6	
Hourly Allowables (6) for each of four GE 7FAs  Stack 1, Stack 2, Stack 3 and Stack 4	DLN and SCR, Each with Natural Gas-Fired 610 MMBtu/hr HRSG Duct Burners in Operation	NO <sub>x</sub>	48.5	
		CO	99.0	
		VOC	16.4	
		PM <sub>10</sub>	27.1	
		SO <sub>2</sub>	6.0	
		NH <sub>3</sub>	25.8	
Annual Allowables (6) for each of four GE 7FAs with Duct Burners  Stack 1, Stack 2, Stack 3 and Stack 4	DLN and SCR Technology, with Natural Gas-Fired 610 MMBtu/hr HRSG	NO <sub>x</sub>		166.5
		CO		296.8
		VOC		45.6
		PM <sub>10</sub>		105.4
		SO <sub>2</sub>		22.1
		NH <sub>3</sub>		95.8
COOL1	Cooling Tower 1	PM <sub>10</sub>	2.55	4.45
COOL2	Cooling Tower 2	PM <sub>10</sub>	2.55	4.45

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COOL3	Cooling Tower 3	PM <sub>10</sub>	2.55	4.45
COOL4	Cooling Tower 4	PM <sub>10</sub>	2.55	4.45
AUXBOIL	Auxiliary Boiler	NO <sub>x</sub>	6.98	15.69
		CO	6.51	14.65
		VOC	0.70	1.57
		PM <sub>10</sub>	0.49	1.11
		SO <sub>2</sub>	0.22	0.50
FWDTANK1	Fire Water Diesel Tank	VOC	0.02	0.01
COAGRID	Coagulant Aid Tank	VOC	0.12	0.01
TANKEDG	Emergency Diesel Tank	VOC	0.07	0.01
FWP	Fire Water Pump	NO <sub>x</sub>	10.39	2.60
		CO	2.24	0.56
		VOC	0.84	0.21
		PM <sub>10</sub>	0.74	0.18
		SO <sub>2</sub>	0.69	0.17
EMGEN	Emergency Diesel Engine Generator	NO <sub>x</sub>	12.40	3.10
		CO	2.67	0.67
		VOC	1.01	0.25
		PM <sub>10</sub>	0.88	0.22
		SO <sub>2</sub>	0.82	0.21
Fugitives A	Ammonia Handling	NH <sub>3</sub>	0.21	0.90
Fugitives B	Natural Gas Handling	VOC	0.23	1.02

**Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR(s) as**

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listed below:

71264				
	Oil Demister	VOC	0.0105	0.046

- (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
- NO<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- CO - carbon monoxide
- NH<sub>3</sub> - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) The concentration limits for the gas turbines listed in the permit conditions apply and may be a more stringent requirement than the mass emission rate limits listed in this table.
- (6) These emissions are permitted under PSD.

Date: \_\_\_\_\_