

## 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)
Stack 1, Stack 2, Stack 3 and Stack 4 (6)	DLN and SCR, Without HRSG Duct Burner Operation	NO <sub>x</sub>	37.8	---
		CO	33.6	---
		VOC	3.2	---
		PM	20.3	--
		PM <sub>10</sub>	20.3	---
		PM <sub>2.5</sub>	20.3	--
		SO <sub>2</sub>	4.5	---
		NH <sub>3</sub>	19.6	---
		NO <sub>x</sub> (10)	235.00	---
		CO (10)	2000.00	---
Stack 1, Stack 2, Stack 3 and Stack 4 (6)	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	27.1	---
		PM <sub>10</sub>	27.1	---
		PM <sub>2.5</sub>	27.1	---
		SO <sub>2</sub>	6.0	---
		NH <sub>3</sub>	25.8	---
		NO <sub>x</sub> (10)	235.00	---
		CO (10)	2000.00	---

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Stack 1, Stack 2, Stack 3 and Stack 4 (6)	DLN and SCR Technology, with Natural Gas-Fired 610 MMBtu/hr HRSG	NO <sub>x</sub> (8)	---	166.5
		CO (8)	---	296.8
		VOC (8)	---	45.6
		PM (8)	---	105.4
		PM <sub>10</sub> (8)	---	105.4
		PM <sub>2.5</sub> (8)	---	105.4
		SO <sub>2</sub> (8)	---	22.1
		NH <sub>3</sub>	---	95.8
COOL1	Cooling Tower 1	PM	2.55	4.45
		PM <sub>2.5</sub>	2.55	4.45
		PM <sub>10</sub>	2.55	4.45
COOL2	Cooling Tower 2	PM	2.55	4.45
		PM <sub>2.5</sub>	2.55	4.45
		PM <sub>10</sub>	2.55	4.45
COOL3	Cooling Tower 3	PM	2.55	4.45
		PM <sub>2.5</sub>	2.55	4.45
		PM <sub>10</sub>	2.55	4.45
COOL4	Cooling Tower 4	PM	2.55	4.45
		PM <sub>2.5</sub>	2.55	4.45
		PM <sub>10</sub>	2.55	4.45
FWDTANK1	Fire Water Diesel Tank	VOC	0.02	<0.01
COAGRID	Coagulant Aid Tank	VOC	0.11	<0.01
TANKEDG	Emergency Diesel Tank	VOC	0.03	<0.01

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FWP	Fire Water Pump	NO <sub>x</sub>	10.39	2.60
		CO	2.24	0.56
		VOC	0.84	0.21
		PM	0.74	0.18
		PM <sub>10</sub>	0.74	0.18
		PM <sub>2.5</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	0.88	0.22
		PM <sub>10</sub>	0.88	0.22
		PM <sub>2.5</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
MSSFUG	Miscellaneous Maintenance Activities	NO <sub>x</sub>	<0.01	<0.01
		CO	<0.01	<0.01
		PM	1.04	0.39
		PM <sub>10</sub>	1.04	0.39
		PM <sub>2.5</sub>	1.04	0.39
		VOC	5.59	2.23
		NH <sub>3</sub>	4.52	<0.01

- (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

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PM	total particulate matter, including PM <sub>10</sub> and PM <sub>2.5</sub> as represented
PM <sub>10</sub>	- total particulate matter equal to or less than 10 microns in diameter, including PM <sub>2.5</sub> , as represented
PM <sub>2.5</sub>	total particulate matter equal to or less than 2.5 microns in diameter
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) Except for planned MSS activities, 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. Allowable rates are for each of the four (4) GE 7FA Turbines and Duct Burners.
- (7) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, during any clock hour that includes one or more minutes of planned MSS activities, the pollutant's hourly emission limits that apply during planned MSS activities shall apply during that clock hour.
- (8) The tpy emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.
- (9) Unless otherwise stated, the lb/hr emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.
- (10) This short-term emission rate applies during planned MSS activities.

Date: July 22, 2021