

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 9664 and PSD-TX-662

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**
<u>Case I: Turbines Firing Natural Gas **</u>				
DC-CTS1	Combustion Turbine STK U1	VOC	9.30	27.90
		NO <sub>x</sub>	404.00	1212.00
		SO <sub>2</sub>	16.30	48.90
		PM	20.60	61.80
		CO	23.00	69.00
DC-CTS2	Combustion Turbine STK U2	VOC	9.30	27.90
		NO <sub>x</sub>	404.00	1212.00
		SO <sub>2</sub>	16.30	48.90
		PM	20.60	61.80
		CO	23.00	69.00
DC-CTS3	Combustion Turbine STK U3	VOC	9.30	27.90
		NO <sub>x</sub>	404.00	1212.00
		SO <sub>2</sub>	16.30	48.90
		PM	20.60	61.80
		CO	23.00	69.00
DC-CTS4	Combustion Turbine STK U4	VOC	9.30	27.90
		NO <sub>x</sub>	404.00	1212.00
		SO <sub>2</sub>	16.30	48.90
		PM	20.60	61.80
		CO	23.00	69.00
DC-CTS1-4	Total Combined Emission Limits	NO <sub>x</sub>	1616.00	1212.00
		SO <sub>2</sub>	65.20	48.90
		PM	82.40	61.80

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AIR CONTAMINANTS DATA

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

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY**
<u>Case II: Turbines Firing Fuel Oil **</u>				
DC-CTS1	Combustion Turbine STK U1	VOC	9.40	28.20
		NO <sub>x</sub>	404.00	1212.00
		SO <sub>2</sub>	559.00	1677.00
		PM	56.30	169.00
		CO	23.00	69.00
DC-CTS2	Combustion Turbine STK U2	VOC	9.40	28.20
		NO <sub>x</sub>	404.00	1212.00
		SO <sub>2</sub>	559.00	1677.00
		PM	56.30	169.00
		CO	23.00	69.00
DC-CTS3	Combustion Turbine STK U3	VOC	9.40	28.20
		NO <sub>x</sub>	404.00	1212.00
		SO <sub>2</sub>	559.00	1677.00
		PM	56.30	169.00
		CO	23.00	69.00
DC-CTS4	Combustion Turbine STK U4	VOC	9.40	28.20
		NO <sub>x</sub>	404.00	1212.00
		SO <sub>2</sub>	559.00	1677.00
		PM	56.30	169.00
		CO	23.00	69.00
DC-CTS1-4	Total Combined Emission Limits	NO <sub>x</sub>	1616.00	1212.00
		SO <sub>2</sub>	2236.00	1677.00
		PM	225.20	169.00

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

6000 Hrs/year. Annual emission limits for the plant are based on 6,000 hours at 101 MWe or 606,000 megawatt-hours per year combined operation.

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			lb/hr	TPY**

\*\* The turbines have undergone Prevention of Significant Deterioration (PSD) review for emissions of NO<sub>x</sub>, SO<sub>2</sub>, and PM. Auxiliary Boiler B and the diesel generator have not undergone PSD review.

DC-ABBS1	Auxiliary Boiler B Stack	VOC	0.85	0.62
		NO <sub>x</sub>	31.80	23.06
		SO <sub>2</sub>	2.21	1.60
		PM	1.17	0.85
		CO	31.80	23.06

\* Emission rates are based on and Auxiliary Boiler B is limited by the following maximum operating schedule:

1450 Hrs/year

DC-EDGS	Emergency Diesel Generator	VOC	1.36	0.07
		NO <sub>x</sub>	44.60	2.23
		SO <sub>2</sub>	0.85	0.04
		PM	1.48	0.07
		CO	11.62	0.58

\* Emission rates are based on and Generator is limited by the following maximum operating schedule:

100 Hrs/year

(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<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall

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			<u>lb/hr</u>	<u>TPY**</u>

be assumed that no particulate matter greater than 10 microns is emitted.

CO - carbon monoxide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated August 21, 2002