

# Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 53284 and PSDTX1027

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	TPY (4)
CGT1	GE LM6000 Combustion Turbine	NO <sub>x</sub>	8.40	34.60
		NO <sub>x</sub> (MSS)(7)	151.30	-
		CO	12.20	50.50
		CO (MSS)(7)	892.0	-
		VOC	4.60	18.90
		VOC (MSS)(7)	14.90	-
		PM <sub>10</sub>	11.30	49.50
		SO <sub>2</sub>	1.30	5.50
		NH <sub>3</sub>	4.30	17.90
		(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	0.30	1.40
		H <sub>2</sub> SO <sub>4</sub>	0.20	1.0
CGT2	GE LM6000 Combustion Turbine	NO <sub>x</sub>	8.40	34.60
		NO <sub>x</sub> (MSS)(7)	151.30	-
		CO	12.20	50.50
		CO (MSS)(7)	892.0	-
		VOC	4.60	18.90
		VOC (MSS)(7)	14.90	-
		PM <sub>10</sub>	11.30	49.50
		SO <sub>2</sub>	1.30	5.50
		NH <sub>3</sub>	4.30	17.90
		(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	0.30	1.40

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		H <sub>2</sub> SO <sub>4</sub>	0.20	1.0
CGT3	GE LM6000 Combustion Turbine	NO <sub>x</sub>	8.40	34.60
		NO <sub>x</sub> (MSS)(7)	151.30	-
		CO	12.20	50.50
		CO (MSS)(7)	892.0	-
		VOC	4.60	18.90
		VOC (MSS)(7)	14.90	-
		PM <sub>10</sub>	11.30	49.50
		SO <sub>2</sub>	1.30	5.50
		NH <sub>3</sub>	4.30	17.90
		(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	0.30	1.40
		H <sub>2</sub> SO <sub>4</sub>	0.20	1.0
CGT4	GE LM6000 Combustion Turbine	NO <sub>x</sub>	8.40	34.60
		NO <sub>x</sub> (MSS)(7)	151.30	-
		CO	12.20	50.50
		CO (MSS)(7)	892.0	-
		VOC	4.60	18.90
		VOC (MSS)(7)	14.90	-
		PM <sub>10</sub>	11.30	49.50
		SO <sub>2</sub>	1.30	5.50
		NH <sub>3</sub>	4.30	17.90
		(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	0.30	1.40
		H <sub>2</sub> SO <sub>4</sub>	0.20	1.0

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EMGEN1	Emergency Generator (5)	NO <sub>x</sub>	32.40	8.10
		CO	7.43	1.86
		VOC	0.95	0.24
		PM <sub>10</sub>	0.95	0.24
		SO <sub>2</sub>	0.55	0.14
FWPUMP	Fire Water Pump (5)	NO <sub>x</sub>	9.30	2.33
		CO	2.00	0.50
		VOC	0.74	0.19
		PM <sub>10</sub>	0.66	0.17
		SO <sub>2</sub>	0.12	0.03
FUG-CGT	Plant Fugitives (6)	VOC	0.07	0.32
		NH <sub>3</sub>	0.02	0.07
TK-DSL1	Diesel Tank 1 (6)	VOC	0.03	<0.01
TK-DSL2	Diesel Tank 2 (6)	VOC	0.01	<0.01
CT1	Cooling Tower 1	PM	0.04	0.19
CT2	Cooling Tower 2	PM	0.04	0.19
MSS_FUG	Miscellaneous Maintenance Activities	VOC	0.27	<0.01
		PM	11.35	0.02
		PM <sub>10</sub>	5.37	0.01
		PM <sub>2.5</sub>	0.81	<0.01
		NO <sub>x</sub>	<0.01	<0.01
		CO	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		NH <sub>3</sub>	7.67	<0.01

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- (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	-	total particulate matter, suspended in the atmosphere, 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>	-	particulate matter equal to or less than 2.5 microns in diameter
CO	-	carbon monoxide
NH <sub>3</sub>	-	ammonia
(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	-	ammonium sulfate
H <sub>2</sub> SO <sub>4</sub>	-	sulfuric acid
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emissions are based on non-emergency operation of 500 operating hours per year.
- (6) Fugitive emissions are an estimate based on component count and applicable fugitive emission factors.
- (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.

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