

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## 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

Permit Numbers 52756 and PSD-TX-1026

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 **
HRSG-1	Combustion Turbine with 550 MMBtu/hr Duct Burner	NO <sub>x</sub>	45.3	187.0
		CO	87.3	364.0
		VOC	20.6	86.7
		PM <sub>10</sub>	34.7	149.0
		SO <sub>2</sub>	14.5	58.7
		NH <sub>3</sub>	23.4	96.8
HRSG-2	Combustion Turbine with 550 MMBtu/hr Duct Burner	NO <sub>x</sub>	45.3	187.0
		CO	87.3	364.0
		VOC	20.6	86.7
		PM <sub>10</sub>	34.7	149.0
		SO <sub>2</sub>	14.5	58.7
		NH <sub>3</sub>	23.4	96.8
CTVs 1 through 10	Cooling Tower Vents (4)	PM	3.0	13.1
		PM <sub>10</sub>	0.4	1.9
FUG-1	Power Block 1 Fugitive Emissions (5)	VOC	<0.01	<0.02

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY **
FUG-2	Power Block 2 Fugitive Emissions (5)	VOC	<0.01	<0.02
FUG-3	N.G. Meter Skid Fugitive Emissions (5)	VOC	<0.01	<0.01
OWS-1	Oil/Water Separator	VOC	0.40	1.1
FWP-TK	Fire Water Pump Storage Tank	VOC	<0.01	<0.01
B-1	Auxiliary Boiler	NO <sub>x</sub>	1.3	3.9
		CO	1.4	4.1
		VOC	0.6	1.8
		PM <sub>10</sub>	0.4	1.1
		SO <sub>2</sub>	0.3	0.7
FWP-1	Firewater Pump Engine (6)	NO <sub>x</sub>	6.2	1.6
		CO	3.8	1.0
		VOC	0.5	0.2
		PM <sub>10</sub>	0.5	0.2
		SO <sub>2</sub>	0.5	0.1
CVs 1 through 16	Chiller Vents	PM	0.8	3.5
		PM <sub>10</sub>	0.2	0.6
DG-1	Diesel Generator Engine (6)	NO <sub>x</sub>	20.8	5.2
		CO	12.6	3.2
		VOC	1.7	0.5
		PM <sub>10</sub>	1.5	0.4
		SO <sub>2</sub>	1.4	0.4
DG-TK	Diesel Generator Engine Storage Tank	VOC	0.2	<0.01
ACID-TK	Acid Storage Tank	H <sub>2</sub> SO <sub>4</sub>	0.2	<0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

NH3-Fugitives	Ammonia Storage Tank	NH <sub>3</sub>	<0.01	<0.01
---------------	----------------------	-----------------	-------	-------

- (1) Emission point identification - either specific equipment designation or emission point number.
  - (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  
CO - carbon monoxide  
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 be assumed that no particulate matter greater than 10 microns is emitted.  
NH<sub>3</sub> - ammonia  
H<sub>2</sub>SO<sub>4</sub> - sulfuric acid
  - (4) Cooling tower PM and PM<sub>10</sub> emissions are an estimate only based on manufacturers' data. Cooling tower assembly has ten vent fan exhausts; emissions are sum-total of all ten exhausts.
  - (5) Fugitive emissions are an estimate based on component count and applicable fugitive emission factors.
  - (6) Emissions are based on non-emergency operation of 500 operating hours per year.
- \* Emission rates are based on an operating schedule of 8,760 hours/year.
- \*\* Compliance with the annual emission limits shall be based on a rolling 12-month year rather than the calendar year.

Dated July 22, 2003