EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 52756 and PSDTX1026

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)
HRSG-1	Combustion Turbine with 550 MMBtu/hr Duct Burner	NO_X	45.3	187.0
		CO	87.3	364.0
		VOC	20.6	86.7
		PM/PM_{10}	34.7	149.0
		SO_2	14.5	58.7
		NH_3	23.4	96.8
HRSG-1	HRSG-1MSS	NO_X	420.0	-
		CO	1800.0	-
HRSG-2	Combustion Turbine with 550 MMBtu/hr Duct Burner	NO_X	45.3	187.0
		CO	87.3	364.0
		VOC	20.6	86.7
		PM/PM_{10}	34.7	149.0
		SO_2	14.5	58.7
		NH_3	23.4	96.8
HRSG-2	HRSG-2MSS	NO_X	420.0	-
		CO	1800.0	-
CTVs 1 through 10	Cooling Tower Vents (5)	PM	3.0	13.1
		PM/PM_{10}	0.4	1.9
FUG-1	Power Block 1 Fugitive Emissions (6)	VOC	<0.01	<0.02

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FUG-2	Power Block 2 Fugitive Emissions (6)	VOC	<0.01	<0.02
FUG-3	N.G. Meter Skid Fugitive Emissions (6)	VOC	<0.01	<0.01
OWS-1	Oil/Water Separator	VOC	0.4	1.1
FWP-TK	Fire Water Pump Storage Tank	VOC	<0.01	<0.01
B-1	Auxiliary Boiler	NO_X	1.3	3.9
		CO	1.4	4.1
		VOC	0.6	1.8
		PM/PM_{10}	0.4	1.1
		SO_2	0.3	0.7
FWP-1	Firewater Pump Engine (7)	NO_X	6.2	1.6
		CO	3.8	1.0
		VOC	0.5	0.2
		PM/PM_{10}	0.5	0.2
		SO_2	0.5	0.1
CVs 1 through 16	Chiller Vents	PM	0.8	3.5
		PM/PM_{10}	0.2	0.6
DG-1	Diesel Generator Engine (7)	NO_X	20.8	5.2
		CO	12.6	3.2
		VOC	1.7	0.5
		PM/PM_{10}	1.5	0.4
		SO_2	1.4	0.4
DG-TK	Diesel Generator Engine Storage Tank	VOC	0.2	<0.01

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ACID-TK	Acid Storage Tank	H_2SO_4	0.2	<0.01
NH3-Fugitives	Ammonia Storage Tank	NH_3	<0.01	<0.01
MSSFUG	MSSFUG	VOC	17.36	0.05
		$PM/PM_{10}/PM_{2.5}$	0.08	<0.01
		NO_X	<0.01	<0.01
		NH_3	1.67	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_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - total particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
H_2SO_4 - sulfuric acid
NH_3 - ammonia
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Cooling tower PM and PM_{10} 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.
(6) Fugitive emissions are an estimate based on component count and applicable fugitive emission factors.
(7) Emissions are based on non-emergency operation of 500 operating hours per year.

Date: _____