

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Numbers 42179, PSDTX955, and N021

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**
Turbine and Duct Burner (Hourly Limits)				
GTG/HRSG 1	Turbine/HRSG No. 1 (Westinghouse 501F Turbine with 475 MMBtu/hr Duct Burner)	NO _x (4)	32.1	-
		CO	346.0	-
		PM ₁₀	29.4	-
		VOC	26.9	-
		SO ₂	31.4	-
		NH ₃	28.0	-
		H ₂ SO ₄	4.8	-
GTG/HRSG 2	Turbine/HRSG No. 2 (Westinghouse 501F Turbine with 475 MMBtu/hr Duct Burner)	NO _x (4)	32.1	-
		CO	346.0	-
		PM ₁₀	29.4	-
		VOC	26.9	-
		SO ₂	31.4	-
		NH ₃	28.0	-
		H ₂ SO ₄	4.8	-
AUXBOIL 1-2	Auxiliary Steam Boiler No. 1 (Rated at 430 MMBtu/hr)	NO _x (4)	22.8	-
		CO	26.2	-
		PM ₁₀	7.6	-
		VOC	7.6	-
		SO ₂	6.23	-
		H ₂ SO ₄	0.95	-
AUXBOIL 1-2	Auxiliary Steam Boiler No. 2 (Rated at 430 MMBtu/hr)	NO _x (4)	22.8	-
		CO	26.2	-
		PM ₁₀	7.6	-
		VOC	7.6	-
		SO ₂	6.23	-
		H ₂ SO ₄	0.95	-

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AUXBOIL 1-2	Auxiliary Steam Boiler Nos. 1 and 2	NO _x (4)	45.6	-
		CO	52.4	-
		PM ₁₀	15.2	-
		VOC	15.2	-
		SO ₂	12.46	-
		H ₂ SO ₄	1.90	-
AUXBOIL 3	Auxiliary Steam Boiler No. 3	NO _x (4)	22.8	-
		CO	26.2	-
		PM ₁₀	7.6	-
		VOC	7.6	-
		SO ₂	6.23	-
		H ₂ SO ₄	0.95	-
Turbines, Duct Burners, and Auxiliary Boilers (Combined Annual Limits)				
GTG/HRSG 1-2 and AUXBOIL 1-3	Turbine/HRSG1 and 2, and Auxiliary Boilers 1 - 3	NO _x	-	268.0
		CO	-	937.0
		PM ₁₀	-	180.0
		VOC	-	102.0
		SO ₂	-	22.5
		NH ₃	-	220.0
		H ₂ SO ₄	-	3.44
COOLTWR1	Cooling Tower 1	PM ₁₀	1.22	3.13
LUBEOILFUG	Lubricating Oil System Fugitives	VOC (5)	0.097	0.29
FUELGASFUG	Fuel Gas System	VOC	0.179	0.53
NH3FUG	Ammonia Fugitives	NH ₃ (5)	0.011	0.03
OILDEMIST	Oil Mist Eliminator (All turbines)	VOC	0.024	0.06
TK-004	Americor 1,000-Gal. Storage Tank	VOC	0.001	0.001

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TK-004AX	Americor 1,000-Gal. Storage Tank	VOC	0.001	0.001
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- (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) Exempt Solvent- Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 - CO - carbon monoxide
 - NH₃ - ammonia
 - H₂SO₄ - sulfuric acid
- (4) The maximum pound per hour (lb/hr) NO_x emission rate is based upon a rolling three-hour concentration. The lb/hr NO_x emission rate listed above represents a maximum hourly emission rate over a three-hour average.
- (5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rates.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

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

Dated: July 29, 2010