

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Nos. 34824 and PSD-TX-877

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 *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
101	Turbine and Duct Burner	NO _x	127.00	
		CO	169.00	
		VOC	10.40	
		PM ₁₀	20.00	
		SO ₂	1.49	
102	Turbine and Duct Burner	NO _x	127.00	
		CO	169.00	
		VOC	10.40	
		PM ₁₀	20.00	
		SO ₂	1.49	
101 and 102	Turbine and Duct Burner	NO _x		1112.52
		CO		963.60
		VOC		91.10
		PM ₁₀		175.20
		SO ₂		13.05
103	Auxiliary Package Boiler 11.02	(4)	NO _x	21.49
		CO	29.17	14.96
		VOC	1.67	2.65
		PM ₁₀	1.99	2.45
		SO ₂	0.29	0.15
104	Auxiliary Package Boiler 11.02	(4)	NO _x	21.49
		CO	29.17	14.96
		VOC	1.67	2.65
		PM ₁₀	1.99	2.45
		SO ₂	0.29	0.15

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY **</u>

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY **
105	Emergency Diesel Generator		NO _x	14.10
	0.09	CO	4.80	0.03
		VOC	0.30	<0.01
		PM ₁₀	0.43	<0.01
		SO ₂	2.3	<0.02
101-0V	Turbine Oil Mist Vent	VOC	0.23	1.00
102-0V	Turbine Oil Mist Vent	VOC	0.23	1.00
FUG	Fugitive Emissions	(5) VOC	0.41	1.78

- (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 General Rule 101.1
 NO_x - total oxides of nitrogen
 CO - carbon monoxide
 SO₂ - sulfur dioxide
 PM₁₀ - particulate matter (PM) 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.
- (4) Annual emission rates for Auxiliary Boilers (EPNs 103 and 104) are based on continuous operation at 10 percent load. Any emissions above the annual allowable emission rates listed shall be offset by an equal or greater reduction in annual emissions from one or both Turbine and Duct Burner Units (EPNs 101 and/or 102).
- (5) Fugitive emissions are an estimate based on component count and applicable fugitive emission factors.

* Emission rates are based on an operating schedule of 8,760 hours/year.

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY **</u>

** Compliance with the annual emission limits shall be based on a rolling 12-month year rather than the calendar year.

Dated_____