

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19225

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	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
Case I: Auxiliary Boiler				
CP-AB1S	Auxiliary Boiler	VOC	0.5	<1.0
		NO _x	14.8	3.7
		SO ₂	51.2	12.8
		PM	8.3	2.1
		CO	14.8	3.7
Case II: Emergency Generators (4)(5)				
CP-EDG1S	Emergency Generator No. 1	VOC	1.3	<1.0
		NO _x	278.5	20.9
		SO ₂	36.2	2.8
		PM	4.3	<1.0
		CO	23.6	1.8
CP-EDG2S	Emergency Generator No. 2	VOC	1.3	<1.0
		NO _x	278.5	20.9
		SO ₂	36.2	2.8
		PM	4.3	<1.0
		CO	23.6	1.8
CP-EDG3S	Emergency Generator No. 3	VOC	1.3	<1.0
		NO _x	278.5	20.9
		SO ₂	36.2	2.8
		PM	4.3	<1.0
		CO	23.6	1.8
CP-EDG4S	Emergency Generator No. 4	VOC	1.3	<1.0
		NO _x	278.5	20.9

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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>
		SO ₂	36.2	2.8
		PM	4.3	<1.0
		CO	23.6	1.8

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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>
Case III: Emergency Generators (4)				
CP-EDG5S	Emergency Generator No. 5	VOC		0.1
	<1.0			
		NO _x	9.1	1.2
		SO ₂	2.7	<1.0
		PM	0.6	<1.0
		CO	2.1	<1.0
CP-EDG6S	Emergency Generator No. 6	VOC		0.4
	<1.0			
		NO _x	5.2	<1.0
		SO ₂	0.8	<1.0
		PM	0.4	<1.0
		CO	1.2	<1.0
Case IV: Emergency Fire Pumps (4)(6)				
CP-DFP1S	Diesel Fire Pump No. 1	VOC	1.6	<1.0
		NO _x	19.1	1.0
		SO ₂	3.0	<1.0
		PM	1.4	<1.0
		CO	4.2	<1.0
CP-DFP2S	Diesel Fire Pump No. 2	VOC	1.6	<1.0
		NO _x	19.1	1.0
		SO ₂	3.0	<1.0
		PM	1.4	<1.0

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CO 4.2 <1.0

- (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
SO₂ - sulfur dioxide
PM - particulate matter
CO - carbon monoxide

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- (4) These emergency generators are exempt under Texas Natural Resource Conservation Commission Standard Exemption 5. Inclusion of these emissions sources is to establish federally enforceable limitations on hours of operation and to document that emission levels are below significance levels for prevention of significant deterioration.
- (5) The four Emergency Generators (EPNs CP-EDG1S, CP-EDG2S, CP-EDG3S, and CP-EDG4S) will operate no more than a combined total of 600 hours per year. Annual emissions shown for each of the subject emergency generators are based upon 150 hours of operation per year, but could vary according to load distribution.
- (6) The two Diesel Fire Pumps (EPNs CP-DFP1S and CP-DFP2S) will operate not more than a combined total of 200 hours per year. Annual emissions shown for each of the subject fire pumps are based on 100 hours of operation per year, but could vary.

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

Case I:

_____Hrs/day _____Days/week _____Weeks/year or 500 Hrs/year

Case II:

_____Hrs/day _____Days/week _____Weeks/year or 600 Hrs/year (combined total for four units)

Case III:

_____Hrs/day _____Days/week _____Weeks/year or 250 Hrs/year

Case IV:

_____Hrs/day _____Days/week _____Weeks/year or 200 Hrs/year (combined total for two units)

Dated _____