

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3956B

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
E-1 E	HR-1 East Stack	VOC	0.24	0.26
		NO _x	7.64	22.83
		CO	0.01	0.04
		SO ₂	3.56	16.47
		PM ₁₀	0.85	0.93
E-1 M	HR-1 Middle Stack	VOC	0.24	0.26
		NO _x	7.54	22.53
		CO	0.01	0.04
		SO ₂	2.76	12.74
		PM ₁₀	0.85	0.93
E-1 W	HR-1 West Stack	VOC	0.24	0.26
		NO _x	5.38	16.07
		CO	0.12	0.36
		SO ₂	2.34	10.79
		PM ₁₀	0.85	0.93
E-2 E	HR-2 East Stack	VOC	0.24	0.26
		NO _x	5.49	16.40
		CO	0.01	0.04
		SO ₂	1.47	6.78
		PM ₁₀	0.85	0.93
E-2 M	HR-2 Middle Stack	VOC	0.24	0.26
		NO _x	8.18	24.44
		CO	0.01	0.04
		SO ₂	1.17	5.40
		PM ₁₀	0.85	0.93
E-2 W	HR-2 West Stack	VOC	0.24	0.26
		NO _x	7.37	22.04
		CO	0.01	0.04
		SO ₂	0.96	17.72

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>
		PM ₁₀	0.85	0.93
E4	DEA Heater Stack	VOC	0.02	0.10
		NO _x	0.59	2.60
		CO	0.13	0.55
		SO ₂	0.08	0.37
		PM ₁₀	0.07	0.31

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
EDE-ABG	DEA Storage Tank (SV-41)	VOC	< 0.32	< 0.01
FL-1 Only	Process Flare		Emergency Use	
FE-3	Process Fugitives (4)	VOC	0.07	0.33
		H ₂ S	0.02	0.07

- (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
 H₂S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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

_____ Hrs/day __ Days/week __ Weeks/year or 8,760 Hrs/year

Dated _____