

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 19601

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>
H-401/H-402	Sulfur Heater/Methane Heater 6.83	NO _x	1.56	
		SO ₂	0.01	0.04
		PM ₁₀	0.21	0.93
		CO	0.52	2.30
		VOC	0.04	0.20
H-501/H-502	Sulfur Heater/Methane Heater 6.83	NO _x	1.56	
		SO ₂	0.01	0.04
		PM ₁₀	0.21	0.93
		CO	0.52	2.30
		VOC	0.04	0.20
X-426A	Steam Boiler	NO _x	1.58	6.92
		SO ₂	0.01	0.04
		PM ₁₀	0.22	0.95
		CO	0.55	2.42
		VOC	0.06	0.26
X-426B	Steam Boiler	NO _x	1.58	6.92
		SO ₂	0.01	0.04
		PM ₁₀	0.22	0.95
		CO	0.55	2.42
		VOC	0.06	0.26
S-1	Sulfur Storage Tank	H ₂ S	0.23	1.00
		SO ₂	0.86	3.75

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S-2	Sulfur Pit	H ₂ S	0.04	0.02
		SO ₂	0.17	0.09

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
S-3	Sulfur Truck	H ₂ S	0.02	0.01
		SO ₂	0.07	0.04
F-1	Fugitives (4)	H ₂ S	0.06	0.27
		CS ₂	0.13	0.55
		COS	<0.01	<0.01
		C ₃	0.36	1.60

(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) NO_x - total oxides of nitrogen

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.

CO - carbon monoxide

VOC - volatile organic compounds as defined in General Rule 101.1

H₂S - hydrogen sulfide

SO₂ - sulfur dioxide

CS₂ - carbon disulfide

COS - carbonyl sulfide

C₃ - propane

(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

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

Date_____