

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4691

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
T203	Octene Storage Tank 319 0.02		VOC	0.004
S403	Scrubber	SO ₃	0.20	0.13
		SO ₂	0.08	0.05
		Formaldehyde	0.02	0.03
		VOC	0.16	0.11
FUG-1	Process Fugitives	VOC	0.28	1.24
		SO _x and H ₂ SO ₄	0.02	0.09
		MSA	0.03	0.12
T309	Filter Feed Tank	VOC	0.09	0.011
T310	Filter Receiver Tank	VOC	0.11	0.014
T311	Cooker Tank	VOC	0.09	0.012
T312A	Sperry Feed Tank	VOC	0.13	0.008
T312B	Sperry Feed Tank	VOC	0.15	0.010
T313	Dehydrator Feed Tank	VOC	0.12	0.008
T314	Dehydrator Feed Tank	VOC	0.12	0.008
TCON1	First Condensate Tank	VOC	0.05	0.013

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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/hrTPY</u>	
TCON2	Agitator Tank	VOC	0.05	0.011
TCON3	Second Condensate Tank	VOC	0.05	0.013
B1	B1 Boiler (Back-up)	VOC	0.1	0.1
		NO _x	3.7	2.4
		SO ₂	7.9	1.4
		CO	1.0	0.6
		PM	0.4	0.1
B2	B2 Boiler	VOC	0.17	0.74
		MSA	<0.01	0.02
		SO ₃	<0.01	0.02
		NO _x	1.96	8.6
		SO ₂	0.03	0.13
		CO	1.20	5.1
		PM	0.46	2.0
T323	Batch Tank	VOC	0.02	<0.01
T326	Batch Tank	VOC	0.06	<0.01

(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

CO - carbon monoxide

PM - particulate matter

SO_x - oxides of sulfur, SO₂ and SO₃

SO₂ - sulfur dioxide

SO₃ - sulfur trioxide

H₂SO₄ - sulfuric acid

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Point No. (1)	Name (2)	Name (3)	lb/hrTPY

MSA - methane sulfonic acid

NO_x - nitrogen oxides

(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 Hrs/year 8,760

Dated _____