

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

865A

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
Incinerator	Incinerator	NO _x	4.6	20.0
		CO	2.25	9.9
		VOC	<0.01	0.024
		SO ₂	139	608
		PM ₁₀	1.55	6.79
		H ₂ S	<0.01	0.02
		Benzene	<0.01	<0.01
		Xylene	<0.01	<0.01
		Toluene	<0.01	<0.01
		Cl ₂	1.0	<0.01
H202	Oil Heater	NO _x	4.4	19.3
		CO	1.1	4.82
		VOC	0.08	0.37
		SO ₂	3.12	13.68
		SO ₃	0.04	0.19
		PM ₁₀	0.44	1.93
H202	Oil Heater	NO _x	4.4	19.3
		CO	1.1	4.82
		VOC	0.08	0.37
		SO ₂	3.12	13.68
		SO ₃	0.04	0.19
		PM ₁₀	0.44	1.93
H153	Gas Heater	NO _x	0.15	0.64
		CO	0.04	0.16
		VOC	0.01	0.02
		SO ₂	0.1	0.45
		SO ₃	<0.01	0.01

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		PM ₁₀	0.01	0.06
D307	Tank D-307	VOC	0.12	0.30
D2307	Tank D-2307	VOC	0.04	0.13

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates *</u> TPY	
D215	Tank D-215	VOC		0.012	<0.01
BMT-1E	Fugitives (4) Train I or II Ethyl Mercaptan Production	Carbon Disulfide		1.13	4.96
		Diethyl Sulfide	0.28	1.22	
		Ethyl Mercaptan		0.19	0.82
		Ethylene	0.15	0.65	
		H ₂ S		0.14	0.6
		Benzene		<0.01	<0.01
		Xylene		<0.01	<0.01
		Toluene		<0.01	<0.01
BMT-1M	Fugitives (4) Train I - Methyl Mercaptan Production	Carbon Disulfide		1.14	4.99
		Dimethyl Sulfide		1.96	8.59
		Methyl Mercaptan		0.53	2.31
		Methanol		0.32	1.38
		Propane		0.39	1.70
		H ₂ S		0.15	0.64
		Benzene		<0.01	<0.01
		Xylene		<0.01	<0.01
		Toluene		<0.01	<0.01
BMT-2	Fugitives (4) Train II - Methyl Mercaptan Production	Carbon Disulfide		1.16	5.09
		Dimethyl Sulfide		0.49	2.16
		Methyl Mercaptan		0.52	2.27
		Methanol		0.03	0.12
		Propane		0.56	2.47
		H ₂ S		0.15	0.64
		Benzene		<0.01	<0.01
		Xylene		<0.01	<0.01
		Toluene		<0.01	<0.01

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Fug-Incin	Fugitives (4) Incinerator	VOC	0.11	0.5
WWTP	Wastewater	VOC	<0.01	0.02
Flare	Flare (5) N/A	N/A	N/A	

- (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) PM₁₀ - particulate matter less than 10 microns
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
Cl₂ - chlorine
SO₃ - sulfur trioxide
H₂S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Flare is designed to control plant vents only during emergency operations, maintenance, plant start-ups and plant shutdowns.

* 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

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Dated_____