

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3855B

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>
P01	Fugitives (4)	VOC	3.5	
		HCl	0.6	
		VCM	3.0	
F-P03B	Chlorine Unloading Fugitives (4) 0.27	Cl ₂	0.06	
IND102A	Boiler A	PM ₁₀	1.90	8.30
		SO ₂	0.10	0.30
		NO _x	25.90	113.0
		CO	2.10	9.30
		VOC	0.40	1.60
IND102B	Boiler B	PM ₁₀	1.90	8.30
		SO ₂	0.10	0.30
		NO _x	25.90	113.0
		CO	2.10	9.30
		VOC	0.40	1.60
IND102C	Boiler C	PM ₁₀	1.90	8.30
		SO ₂	0.10	0.30
		NO _x	25.90	113.0
		CO	2.10	9.30
		VOC	0.40	1.60
IND103	Cracking Furnace 103	PM ₁₀	0.90	3.50
		SO ₂	0.08	0.17
		NO _x	11.90	47.30
		CO	1.00	3.90
		VOC	0.20	1.00
IND104	Cracking Furnace 104	PM ₁₀	0.90	3.50

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
IND105	Cracking Furnace 105	SO ₂	0.08	0.17
		NO _x	11.90	47.30
		CO	1.00	3.90
		VOC	0.20	1.00
		PM ₁₀	0.90	3.50
		SO ₂	0.08	0.17
		NO _x	11.90	47.30
		CO	1.00	3.90
IND106	Cracking Furnace 106	VOC	0.20	1.00
		PM ₁₀	0.90	3.50
		SO ₂	0.08	0.17
		NO _x	11.90	47.30
		CO	1.00	3.90
IND107	Cracking Furnace 107	VOC	0.20	1.00
		PM ₁₀	0.90	3.50
		SO ₂	0.08	0.17
		NO _x	4.00	17.5
		CO	1.0	3.9
IND109	Cracking Furnace 109	VOC	0.20	1.00
		PM ₁₀	0.90	3.50
		SO ₂	0.08	0.17
		NO _x	4.0	17.5
		CO	1.0	3.9
IND101A	Incinerator A	VOC	2.00	8.80
		NO _x	6.10	26.70
		CO	2.20	9.40
		SO ₂	0.10	0.40
		PM ₁₀	2.00	8.80
		HCl	2.00	8.80
		Cl ₂	4.00	17.50
		VCM	0.05	0.22
IND101B	Incinerator B	VOC	2.00	8.80
		NO _x	6.10	26.70

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		CO	2.20	9.40
		SO ₂	0.10	0.40
		PM ₁₀	2.00	8.80
		HCl	2.00	8.80
		Cl ₂	4.00	17.50
		VCM	0.05	0.22
CYC-1	Decoking Cyclone	CO	43.8	3.2

- (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
 - PM₁₀ - particulate matter less than 10 microns in diameter
 - CO - carbon monoxide
 - HCl - hydrogen chloride
 - Cl₂ - chlorine
 - VCM - vinyl chloride monomer
- (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_____