

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18447

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>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY</u>
88-1A	Boiler	CO	0.04	0.17
		NO _x	0.19	0.83
		PM	<0.01	0.02
		SO ₂	<0.01	<0.01
		VOC	0.01	0.04
88-1B	Boiler	CO	0.04	0.17
		NO _x	0.19	0.83
		PM	<0.01	0.02
		SO ₂	<0.01	<0.01
		VOC	0.01	0.04
88-2	Flare	CO	7.20	18.50
		HBr	20.65	1.37
		HCl	19.00	0.28
		HF	0.69	0.30
		HI	9.98	1.80
		IOC-U	11.00	1.32
		NO _x	3.60	9.20
		VOC	195.87	13.61
88-3	Caustic Tank	NaOH	0.03	0.02
88-4	First-Rinse Wastewater Tank (5)	VOC	0.07	0.16
94-5	Washrack	IOC-U	0.04	0.01
		VOC	49.58	8.70

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			lb/hr	TPY
94-6	4,000-Gallon Wastewater Tank (5)	VOC	0.13	0.20
94-7	Oil/Water Separator (5)	VOC	<0.01	<0.01
94-8	Separator Overflow (5)	VOC	0.07	0.11
94-9	24,000-Gallon Wastewater Treatment Tank (5)	VOC	0.16	0.32
94-10	12,000-Gallon Wastewater Storage Tank 1 (5)	VOC	0.22	0.13
94-11	12,000-Gallon Wastewater 0.13 Storage Tank 2 (5)	VOC		0.22
94-12	17,500-Gallon Wastewater 0.23 Storage Tank (5)	VOC		0.22
94-13	Diesel Storage Tank 1	VOC	0.60	0.02
94-14	Diesel Storage Tank 2	VOC	0.60	0.02
94-15	First-Rinse Wastewater Loading (5)	VOC	2.48	0.12
94-16	12,000-Gallon Wastewater 0.04 Tank 1 Loading (5)	VOC		1.39
94-17	12,000-Gallon Wastewater 0.04	VOC		1.39

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			lb/hr	TPY
	Tank 2 Loading (5)			
94-18	17,500-Gallon Wastewater 0.06		VOC	1.39
	Tank Loading (5)			
97-1	Prerinse Storage (6)	VOC	0.034	0.042
97-2	Equalization Tank (6)	VOC	0.007	0.008
97-3	Oil/Water Separator (6)	VOC	0.088	0.092
97-4	Waste Oil Tank (6)	VOC	0.027	0.008
97-5	Bioreactor (6)	VOC	0.053	0.055
97-6	Prerinse Tank Loading (6) 0.068		VOC	0.033

(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) CO - carbon monoxide

HBr - hydrogen bromide

HCl - hydrogen chloride

HF - hydrogen fluoride

HI - hydrogen iodide

IOC-U - inorganic compounds (unspeciated)

NaOH - sodium hydroxide

NO_x - total oxides of nitrogen

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

SO₂ - sulfur dioxide

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

- VOC - volatile organic compounds as defined in General Rule 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) This maximum allowable emissions rate is based on current facility operation and shall cease to apply when the wastewater system is modified as specified in Special Condition No. 10.
- (6) This maximum allowable emissions rate is based on future facility operation and shall become effective when the wastewater system is modified as specified in Special Condition No. 10.

* 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 _____