

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 35490

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)	lb/hr	TPY
ALKSCRB	Alkaline Scrubber	CH ₃ COOH	0.06	0.28
		NH ₃	<0.01	<0.01
		NH ₄ OH	0.04	0.02
		IPA	0.17	0.43
ACDSCRB	Acid Scrubber	HCl	0.09	0.02
		H ₂ O ₂	<0.01	0.02
		H ₂ SO ₄	<0.01	<0.01
WWATER	Wastewater Treatment	NH ₄ OH	0.06	0.26
		HCl	<0.01	<0.01
		H ₂ O ₂	<0.01	<0.01
		IPA	<0.01	<0.01
FUG-1	Unloading System Fugitives (4) 0.23	NH ₃		0.05
		HCl	0.02	0.08
FUG-2	Loading Fugitives (4)	CH ₃ COOH	<0.01	<0.01
		NH ₄ OH	0.45	0.06
		IPA	0.10	0.03
		HCl	0.10	<0.01
		H ₂ O ₂	<0.01	<0.01
		H ₂ SO ₄	<0.01	<0.01
FUG-3	Equipment Fugitives (4)	CH ₃ COOH	<0.01	<0.01
		NH ₃	<0.01	<0.01
		NH ₄ OH	<0.01	0.01

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		IPA	<0.01	0.01
		HCl	<0.01	0.01
		H ₂ O ₂	<0.01	0.01
		H ₂ SO ₄	<0.01	<0.01
BOILER	Boiler	VOC	0.02	0.10
		CO	0.09	0.39
		NO _x	0.42	1.84
		PM ₁₀	0.05	0.22
		SO ₂	<0.01	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

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM₁₀ - particulate matter 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

HCl - hydrogen chloride

NH₃ - ammonia

H₂O₂ - hydrogen

H₂SO₄ - sulfuric acid

NH₄OH - ammonium hydroxide

CH₃COOH - acetic acid

IPA - isopropyl alcohol

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

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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/hr</u>	<u>TPY</u>

* 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 _____