

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20577

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
B-1	Plant Boiler 8.4 MMBTU/hr		VOC		0.03	0.14
			NO _x		0.84	3.68
			CO		0.18	0.77
			SO ₂		<0.01	0.02
			PM		0.10	0.44
B-2	Nitric Acid Boiler 2.7 MMBTU/hr		VOC		0.01	0.05
			NO _x		0.27	1.18
			CO		0.06	0.25
			SO ₂		<0.01	0.01
			PM		0.03	0.14
BL-100	Building Vent		VOC		0.22	0.09
			PM ₁₀		0.44	0.19
BL-101	Building Vent		VOC		0.80	0.01
			IOC		0.70	0.01
DRUMWASH	Drum Washing		IOC		6.14	2.01
FUG	Fugitives (4)		VOC		0.10	0.42
			H ₂ O ₂		0.01	0.06
			HNO ₃		0.18	0.76
			NH ₃		0.11	0.48
FUG-PIT	Neutralization Pit		VOC		0.36	0.03
			IOC		0.66	0.04
FUG-TRK1	Nitric Acid Truck Loading		HNO ₃		0.02	<0.01
FUG-TRK2	Ammonium Hydroxide Truck Loading		NH ₃		1.32	0.11
PV-100	Ammonia Pressure Storage		NH ₃		0.05	0.10

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
		Tank 105 Relief Vent		
SB-901	Harrington Scrubber	VOC	29.29	5.00
		IOC	4.28	3.00
SB-902	Nitric Acid Scrubber	NO ₂	0.98	0.05

SB-903	Laboratory Scrubber	VOC	2.48	5.43
		IOC	0.20	1.89
SB-904	Water Bath	HNO ₃	0.05	<0.01
TK-106	Blend Tank 106 Vent	VOC	0.18	0.03
TK-107	Blend Tank 107 Vent	VOC	0.18	0.03
TK-110A	Isopropyl Alcohol Blend Tank	VOC	0.18	0.08
TK-110D	Isopropyl Alcohol Blend Tank	VOC	0.18	0.08
TK-122	Blend Tank 122 Vent	VOC	0.18	0.06
VENT-1	Performance Products Area Vent	VOC	8.68	2.25

- (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
IOC - inorganic compounds (unspeciated)
NO_x - total oxides of nitrogen
NO₂ - nitrogen dioxide
CO - carbon monoxide
SO₂ - sulfur dioxide
PM - particulate matter
PM₁₀ - particulate matter less than 10 microns in diameter
H₂O₂ - hydrogen peroxide
HNO₃ - nitric acid
NH₃ - ammonia
- (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 Hours/year 8,760

Dated _____