EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

17392

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
SW-1	FLARE	VOC	0.07	0.01
		NOx	0.24	1.0
		HCN	0.02	0.02
		NH3	0.04	<0.01
		CO	2.5	9.86
		S02	<0.001	<0.001
SW-2	KETTLE VENT	VOC	1.98	2.45
		NH3	0.84	0.37
SW-4	PRIMENE SEPARATOR VENT	VOC	3.06	0.1
		NH3	2.69	.01
SW-7	TANK 90070	VOC (9)	1.17	0.03
SW-10	TANK 91346	VOC (8)	0.16	0.15
SW-12	TANK 12122	NH3	2.95	2.81
SW-13	TANK 91009	PROPYLENE TETRAMER	8.49	1.92
SW-14	TANK 90480	PROPYLENE TETRAMER	8.49	1.92
SW-17	TANK 91022	VOC (6,8)	2.62	0.80
SW-18	TANK 90021	SULFURIC ACID	0.02	0.005
SW-19	TANK 96003	VOC (5,6,7,8)	1.36	0.22
SW-20	TANK 96002	VOC (5,6,7,8)	1.35	0.17

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
SW-21	TANK 12137	VOC (5,6,7,8)	1.36	0.22
SW-22	TANK 91007	VOC (6,8)	3.65	0.48
SW-27	FUGITIVES (4)	VOC	2.45	10.78
SW-28	TANK 12223	VOC (6)	2.46	0.57
SW-29	DRUMMING STATION	VOC (5,6,7,8)	2.25	0.12
SW-30	RAILCAR LOADING RACK	VOC (5,6,7,8)	11.9	0.14
SW-31	TANK TRUCK/DECK TANK LOADING RACK	VOC (6,8)	11.9	0.06
SW-34	VACUUM JET	VOC (8)	0.45	0.56
SW-35	VACUUM JET	VOC (8)	0.51	1.53

(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
NOx - total oxides of nitrogen
SO2 - sulfur dioxide
CO - carbon monoxide
HCN - hydrogen cyanide
NH3 - anhydrous ammonia
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) MDA
(6) TOA
(7) JMT
(8) 81-R
(9) DI-ISOBUTYLENE

For the emission sources referencing compounds (5) through (8), the represented allowable is for TOA, the compound which generates the highest emission rate.

* Emission rates for all sources except SW-2 are based upon the following operating schedule:

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Emission rates from SW-2 are based on a specified batch volume and number of batches per year for each of t-octylamine (TOA) and
t-octadecylamine (JMT). See Special Provision No. 4.

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