

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1829

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 **
U-5A	Initiator Mixing Tank	VOC	1.54	0.19
U-5B	Initiator Mixing Tank	VOC	1.54	0.19
U-6A	Initiator Mixing Tank	VOC	1.09	0.11
U-6B	Initiator Mixing Tank	VOC	1.09	0.11
U-8A	Initiator Mixing Tank	VOC	1.38	0.14
U-8B	Initiator Mixing Tank	VOC	1.38	0.14
U-15	Initiator Mixing Tank	VOC	1.03	0.20
EP-5	Oxidizer Vent	VOC	8.0	17.52
		PM/PM ₁₀	3.83	16.78
F-EP-9	Piping Fugitives (4)	VOC	21.10	79.31
EP-10	Flare	CO	97.64	2.18
		NO _x	13.52	0.30
		SO ₂	0.01	0.01
		VOC	135.00	2.93
	Flare - MSS Emissions	NO _x	7.37	0.19
		CO	53.22	1.40
		VOC	79.29	1.49
EP-22	Priller Vent	VOC	0.04	0.15
EP-23	Priller Vent	VOC	0.04	0.15

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EP-24	Priller Vent	VOC	0.04	0.15
EP-28	Atomizer	PM/PM ₁₀	4.64	17.88
EP-35	Reflux Condenser Vent	VOC	0.20	0.87
EP-36	Reflux Condenser Vent	VOC	0.20	0.87
EP-38	Packaging Baghouse	PM/PM ₁₀	0.14	0.63
EP-40	Atomizer	PM/PM ₁₀	4.64	17.88
EP-41	Water Scrubber	VOC	0.14	0.09
	Water Scrubber MSS Emissions	VOC	4.51	0.01
PRPP	Pilot Plant	VOC	2.00	6.00
PRPP-1	New Pilot Plant	VOC	2.00	6.00
33	New Vinyl Acetate Tank	VOC	1.45	1.00
U-955	Catalyst Tank	VOC	0.01	0.01
PRPPF-1	PRPP Filter Receiver 1	PM/PM ₁₀	0.90	0.26
PRPPF-2	PRPP Filter Receiver 2	PM/PM ₁₀	0.90	0.26
CTWR	Cooling Tower (4)	VOC	0.14	0.63
U3	Isopropyl Alcohol Tank	VOC	0.06	0.08
72	U-72 Silo	PM/PM ₁₀	2.40	7.20
BLOWDOWNS	Blowdowns	VOC	2.00	0.73

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			lb/hr	TPY **
SAMPLING	Sampling	VOC	0.01	0.01
MSS	MSS (5)	VOC	21.01	0.42
		PM	0.02	0.01
		PM ₁₀	0.01	0.01

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from a plot plan.
- (2) Specific point source names. For fugitive sources use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1
 PM - particulate matter, suspended in the atmosphere, including PM₁₀
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter.
 CO - carbon monoxide
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (5) This EPN covers atmospheric maintenance, startup, and shutdown (MSS) emissions from the MSS activities listed in Attachment A through C of the permit.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day___ Days/week___ Weeks/year___ or Hrs/year 8,760

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated September 9, 2010