

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 7264

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)	<u>Emission Rates *</u>	
			lb/hr	TPY**
A-406	Storage Tank	VOC	0.04	0.01
SA-407	Scrubber	N ₂ H ₄	0.01	0.01
B-416	Storage Tank	VOC	0.13	0.01
B-420	Storage Tank	VOC	0.02	0.01
B-421	Storage Tank	VOC	0.02	0.01
C-452	Storage Tank	VOC	0.15	0.01
C-455	Storage Tank	VOC	0.04	0.01
F-401	Plate and Frame	VOC	0.39	0.62
F-402	Plate and Frame	VOC	4.00	9.78
FUG-3	Fugitives (4)	VOC	0.75	3.30
		N ₂ H ₄	0.02	0.07
		HNO ₃	0.01	0.03
		BF ₃	0.01	0.01
		NH ₃	0.01	0.05
FUG-CAKE	Product Filter Cake (4)	VOC	2.28	10.00

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X-401	Incinerator (5)	PM/PM ₁₀ /PM _{2.5}	0.09	0.36
		SO ₂	0.01	0.03
		NO _x	14.68	15.08
		CO	0.95	3.97
		VOC	0.17	0.40
		HNO ₃	0.70	1.49
		BF ₃	0.01	0.04
		N ₂ H ₄	0.01	0.01
		NH ₃	0.01	0.02
X-402	Flare (5)	VOC	9.03	4.62
		SO ₂	0.01	0.01
		NO _x	110.58	22.54
		CO	5.28	5.20
		HNO ₃	0.70	1.49
		BF ₃	0.01	0.01
		N ₂ H ₄	0.01	0.01
		NH ₃	0.08	0.23
HS-400	Filter Aid Handling System	PM ₁₀	0.10	0.15
HS-401	Filter Aid Handling System	PM ₁₀	0.10	0.15
A-3	Loading (4)	VOC	0.12	0.10
A-4	Loading (4)	VOC	0.78	0.42
2-8	Loading (4)	VOC	0.69	2.69

(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 an area name or fugitive source name.

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- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
N₂H₄ - hydrazine
HNO₃ - nitric acid
BF₃ - boron trifluoride
NH₃ - ammonia
PM - particulate matter, suspended in the atmosphere, including PM₁₀
PM₁₀ - particulate matter equal to or less than 10 microns in diameter
PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
SO₂ - sulfur dioxide
NO_x - total oxides of nitrogen
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emissions from the EPN X-401 Incinerator and the EPN X-402 Flare are not additives; therefore, the combined emissions from the EPN X-401 Incinerator and EPN X-402 Flare will not exceed the greater of the allowable emissions for each air contaminant from each individual emission point (excluding the emissions from the combustion of pilot gas).
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:
- Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760
- ** Compliance with annual emission limits is based on a rolling 12-month period.

Dated: August 10, 2010