

## 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, sources, and related activities. 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	
			lbs/hour	TPY (6)
A-406	Storage Tank	VOC	0.04	0.01
SA-407	Scrubber	N <sub>2</sub> H <sub>4</sub>	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	0.85	0.07
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)(7)	VOC N <sub>2</sub> H <sub>4</sub> HNO <sub>3</sub> BF <sub>3</sub> NH <sub>3</sub>	0.75 0.02 0.01 0.01 0.01	3.30 0.07 0.03 0.01 0.05
FUG-3	Fugitives (4)(8)	VOC N <sub>2</sub> H <sub>4</sub> HNO <sub>3</sub> BF <sub>3</sub> NH <sub>3</sub>	1.29 0.01 0.01 0.01 0.01	5.67 0.02 0.01 0.01 0.01
FUG-CAKE	Product Filter Cake (4)	VOC	2.28	10.00
X-401	Incinerator (5)	PM/PM <sub>10</sub> /PM <sub>2.5</sub> SO <sub>2</sub> NO <sub>x</sub> CO VOC HNO <sub>3</sub> BF <sub>3</sub> N <sub>2</sub> H <sub>4</sub> NH <sub>3</sub>	0.02 0.01 13.75 0.17 0.12 0.70 0.01 0.01 0.01	0.05 0.01 11.00 0.54 0.18 1.49 0.04 0.01 0.02

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X-402	Flare (5)	VOC	11.84	6.45
		SO <sub>2</sub>	0.01	0.01
		NO <sub>x</sub>	111.39	23.07
		CO	9.40	7.88
		HNO <sub>3</sub>	0.70	1.49
		BF <sub>3</sub>	0.01	0.01
		N <sub>2</sub> H <sub>4</sub>	0.01	0.01
		NH <sub>3</sub>	0.08	0.23
HS-400	Filter Aid Handling System	PM <sub>10</sub>	0.10	0.15
HS-401	Filter Aid Handling System	PM <sub>10</sub>	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

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- (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.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
  - N<sub>2</sub>H<sub>4</sub> - hydrazine
  - HNO<sub>3</sub> - nitric acid
  - BF<sub>3</sub> - boron trifluoride
  - NH<sub>3</sub> - ammonia
  - PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>
  - PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - SO<sub>2</sub> - sulfur dioxide
  - NO<sub>x</sub> - total oxides of nitrogen
  - CO - carbon monoxide
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (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).
- (6) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (7) These emission rates are authorized using a 28 RCT leak detection and repair program, until 180-days from the date of the issuance of the March 31, 2011, permit amendment application.
- (8) These emission rates are authorized using a 28 MID leak detection and repair program, and will become effective 180-days after the issuance of the March 31, 2011, permit amendment application.

Date: \_\_\_\_\_