

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number S-18144

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)lb/hr *	Emission Rates	
			TPY**	
E	Unconventional Line Dryer Scrubber Stack	VOC	0.0012	0.002
		NO <sub>x</sub>	0.056	0.245
		SO <sub>2</sub>	0.0012	0.002
		PM	0.0055	0.024
		CO	0.0244	0.11
		HF	0.001	0.004
		Formic Acid	0.44	1.93
		NH <sub>3</sub>	0.90	3.94
F	Unconventional Line Dryer Cooling Stack	PM	0.7	3.07
C	Rotary Kiln Scrubber Stack	NH <sub>3</sub>	0.02	0.088
		HF	0.024	0.105
		NH <sub>4</sub> F	0.138	0.43
B	Rotary Kiln POC Stack	VOC	0.01	0.044
		NO <sub>x</sub>	0.20	0.876
		SO <sub>2</sub>	0.01	0.044
		PM	0.02	0.088
		CO	0.08	0.351
A4	Steam Generating Boiler Stack	VOC	0.01	0.044
		NO <sub>x</sub>	0.20	0.876
		SO <sub>2</sub>	0.01	0.044
		PM	0.02	0.088
		CO	0.08	0.351

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

(2) Specific point source name. Some sources may have more than one stack; however, the sum of all stack emissions from a source with multiple stacks will be less than or equal to the listed emission rates associated with the one stack that is identified in this table. 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  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
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. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.  
CO - carbon monoxide  
HF - hydrogen fluoride  
NH<sub>4</sub>F - ammonium fluoride  
NH<sub>3</sub> - ammonia

\* 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 limit is based on rolling 12 month period.

Dated \_\_\_\_\_