

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 4094B

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**

#### NORMAL OPERATION FIRING NATURAL GAS (8,760 HRS/YR)

107	No. 3 Sodium Silicate Furnace 34.7 MM BTU/Hr	PM	5.37	23.52
		PM <sub>10</sub>	3.33	14.58
		VOC	0.18	0.77
		NO <sub>x</sub>	3.85	15.87
		SO <sub>2</sub>	0.02	0.09
		CO	2.69	11.78

#### INCREASED HOURLY RATES WHEN FIRING BACKUP FUEL OIL (720 HRS/YR MAXIMUM)

107	No. 3 Sodium Silicate Furnace 34.7 MM BTU/Hr	PM	8.81	
		PM <sub>10</sub>	5.46	
		NO <sub>x</sub>	9.79	
		SO <sub>2</sub> (0.3% Sulfur Fuel Oil)	9.93	
		SO <sub>2</sub> (0.7% Sulfur Fuel Oil)	24.47	

#### COMBINED OPERATION 8,040 HRS FIRING NATURAL GAS AND 720 HRS FIRING FUEL OIL

107	No. 3 Sodium Silicate Furnace 34.7 MM BTU/Hr	PM		24.79
		PM <sub>10</sub>		15.37
		VOC	0.77	
		NO <sub>x</sub>		17.87
		SO <sub>2</sub>		3.85
		CO		11.78

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- (1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
- (2) Specific point source names. For fugitive sources, use an area name or fugitive source name.
- (3) 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.
- 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
- CO - carbon monoxide

\* Emission rates are based on and the facilities are limited to: 8,760 Hrs/year

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

Dated\_\_\_\_\_