

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 595

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 * (6)	
			lbs/hour	TPY
5A	Ferro-selenium Fusion	PM	0.01	0.05
		PM <sub>10</sub>	0.01	0.05
5B	Selenium Screening	PM	0.01	0.05
		PM <sub>10</sub>	0.01	0.05
5C	Tellurium Product Dust	PM	0.01	0.05
		PM <sub>10</sub>	0.01	0.05
5D	Selenium Shotting and Fusion Fuming (5)	PM	0.33	0.22
		PM <sub>10</sub>	0.33	0.22
		SO <sub>2</sub>	0.62	0.34
5F	Tellurium Scrubber	PM	0.01	0.05
		PM <sub>10</sub>	0.01	0.05
5G	Selenium Scrubber	PM	0.01	0.05
		PM <sub>10</sub>	0.01	0.05
		SO <sub>2</sub>	0.01	0.05
5H	Packaging Baghouse	PM	0.01	0.05
		PM <sub>10</sub>	0.01	0.05
5I	Omaha Scrubber	PM	0.01	0.05
		PM <sub>10</sub>	0.01	0.05
5J	Fugitives (4 and 5) General Ventilation Roof Vents, Louvers, and Doors	PM <sub>10</sub>	0.63	0.28
		SO <sub>2</sub>	<0.01	<0.01

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5K	Bismuth Selenide Furnace Burners	NO <sub>x</sub>	0.15	0.16
		CO	0.13	0.14
		VOC	<0.01	<0.01
		PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
		SO <sub>2</sub>	0.02	<0.03

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. 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> - nitrogen oxides  
SO<sub>2</sub> - sulfur dioxide  
PM - total suspended particulate matter (including PM<sub>10</sub>)  
PM<sub>10</sub> - PM equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.  
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only.
- (5) Speciated compounds are identified and quantified in the permit application representations.
- (6) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

\* 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

Date: January 29, 2013