

Emission Sources - Maximum Allowable Emission Rates

Permit Number 593

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 * (5)	
			lbs/hour	TPY
3A	Copper Removal Scrubber	H ₂ SO ₄	0.02	0.10
		AsH ₃	0.02	0.10
3B	Nickel Sulfate Evaporator Scrubber System	H ₂ SO ₄	5.10	22.30
		SO ₂	14.00	61.50
		NO _x	4.40	19.40
		CO	5.40	23.70
		VOC	0.90	4.00
F3	Fugitives (4)	H ₂ SO ₄	0.80	3.50

- (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) H₂SO₄ - sulfuric acid
 AsH₃ - arsine
 SO₂ - sulfur dioxide
 NO_x - nitrogen oxides
 CO - carbon monoxide
 VOC - volatile organic compounds (including species)
- (4) Fugitive emissions are an estimate only.
- (5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

* Refer to the special conditions for throughput limitations and basis of emission rates.

Date: January 31, 2013