

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. 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)	<u>Emission Rates *</u>	
			lb/hr	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
3C	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.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule and throughput:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Maximum Annual Throughput: 4,800,000 cubic feet of electrolyte

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Dated _____