

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. T-17231

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
P33	Electroplating Scrubber * 0.28	NaOH		0.094
		H ₃ PO ₄	0.02	0.013
		CH ₃ COOH	0.06	0.050
		AgNO ₃	0.01	0.003
		HNO ₃	0.02	0.013
		HCOOH	<.001	0.003
		HCl	0.03	0.024
		ZnCl ₂	<.001	0.001
		Cr+6	<.001	0.001
P34	Sludge Dryer Scrubber *	Fe ₂ O ₃	<.001	<.001
		Cr ₂ O ₃	0.002	0.005
		ZnO	<.001	<.001
		VOC	0.004	0.01
27	NH ₃ Dissociator Stack	NH ₃	0.23	1.00
FUG1	NH ₃ Storage Tank (4)	NH ₃	0.34	1.51
FUG2	NH ₃ Process Piping (4)	NH ₃	0.19	0.81

(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) NaOH - sodium hydroxide
H₃PO₄ - phosphoric acid
CH₃COOH - acetic acid

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AgNO₃ - silver nitrate
HNO₃ - nitric acid
HCOOH - formic acid
HCl - hydrochloric acid
ZnCl₂ - zinc chloride
Cr+6 - hexavalent chromium
Fe₂O₃ - ferric oxide
Cr₂O₃ - chromic oxide
ZnO - zinc oxide
VOC - volatile organic compounds as defined in General Rule 101.1
NH₃ - 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 6,000

A maximum hourly throughput of 158 pounds of metal hydroxide for the sludge dryer, 749 gallons of sodium hydroxide per year, and a maximum annual throughput of 18 tons of zinc salts for the zinc electroplating operation.

Dated _____