

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 28239

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) ton/yr	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates*</u> lb/hr	
1S2	Scrubber Stack	Cr	0.0002	<0.001
1S3	Scrubber Stack	NaOH	0.008	0.036
		Na ₂ SiO ₃	0.0038	0.017
		Na ₂ S ₂ O ₅	0.0011	<0.005
1S4	Scrubber Stack	Ni	0.0012	<0.005
		Acid (6)	<0.0004	<0.002
2B1	Exhaust Stack	Na ₂ SiO ₃	0.38	1.66
		Na ₂ S ₂ O ₅	0.055	0.24
		H ₂ SO ₄	<0.006	0.026
		NaOH	0.818	3.58
2S1	Scrubber Stack	Cr	0.0003	<0.002
FUG1	Plating Fugitives (4)	Cr	<0.0004	<0.002
		Ni	<0.001	<0.004
		Acid (6)	<0.04	<0.15
		NaOH	<0.02	<0.09
		Na ₂ S ₂ O ₅	<0.003	<0.01
		Na ₂ SiO ₃	0.01	0.04
		H ₂ SO ₄	<0.003	<0.01
B1	Boiler Stacks (5)	PM	0.10	0.44
		SO ₂	0.005	0.022
		NO _x	0.84	3.68
		CO	0.18	0.77

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Emission Emission Rates*	Source Point No. (1)	Air Contaminant Name (2)	Name (3)	
			lb/hr	ton/yr
		VOC	<0.05	0.21
FUG2	Burnoff Oven (4 And 5)	PM	<0.08	0.34
		SO ₂	<0.004	<0.02
		NO _x	0.64	2.81
		CO	0.13	0.59
		VOC	<0.04	0.16
FUG3	Misc. Processes (4 And 5)	PM	3.15	9.61
		VOC	10.36	21.52

- (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)
 - PM - particulate matter
 - PM₁₀ - particulate matter less than 10 microns in diameter
 - VOC - volatile organic compounds as defined in General Rule 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - CO - carbon monoxide
 - Cr - chromium
 - Ni - nickel
 - NaOH - sodium hydroxide
 - Na₂S₂O₅ - sodium metabisulfite
 - Na₂SiO₃ - sodium metasilicate
 - H₂SO₄ - sulfuric acid
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emissions from processes operating per criteria of Standard Exemption Nos. 7, 39, 45, 75, 87, 104, and 105.
- (6) The acid may be either hydrochloric or sulfuric.

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- * Emission rates are based on and the facilities are limited to a maximum rectifier capacity of 10,000 amperes for chrome plating and 28,800 amperes for nickel plating and by the following maximum operating schedule:

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

Dated _____