

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 20071

This table lists the maximum allowable emission rates for the sources of emissions authorized by this permit. The annual emission rates are for a rolling 12-consecutive-month period.

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
PHASE I				
1	EF No. 1	VOC	0.25	1.08
		Acids	0.21	0.09
3	EF No. 3	VOC	0.13	0.58
4	EF No. 4	VOC	2.64	11.58
AS	Acid Scrubber	Acids	0.35	1.5
		CFC	<0.01	<0.01
		HI	0.02	0.07
		CO ₂	0.01	0.03
		SO ₂	<0.01	<0.01
EX36	Device Plating Line (Bldg 1801)	Lead	<0.02	0.07
		Tin	0.14	0.59
		MS Acid	0.24	1.04
PHASE II				
SC-1, SC-3,	Manufacturing (Bldg 1800)	Acids		1.02
	3.98			
SC-4 and SC-5	(Four Scrubbers)	Ammonia	0.32	1.39
		Hydrogen Peroxide	0.01	0.01
		Bromine	0.01	0.02
		Chlorine	0.01	0.01
		SiO ₂	0.1	0.1
		NO	0.1	0.1
		SO ₂	0.01	0.01

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
EF-1, EF-11, EF-16, 2.48 EF-17, EF-18, EF-19 18.04		Manufacturing Process 5.42 (Roof vents) VOC	Acetone	8.24
FEW	Waste Area (Fugitives)	VOC	0.72	0.14
		Acetone	0.66	0.12
EF1-4 <0.02	0.07 (Bldg 1801)	Device Plating Line	Lead	
		Tin	0.14	0.59
		MS Acid	0.24	1.04
EF-2, EF-3 0.6 EF-12, EF-13 EF-14, EF-15	Manufacturing (Bldg 1800) (Roof Vents)	VOC and Acetone		0.6
SC-2 0.1	Manufacturing (Bldg 1800)	Mixed Acids		0.1

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(2) Specific point source name.

(3) VOC - volatile organic compounds as defined in General Rule 101.1

Acids - acid solutions including: acetic, sulfuric, hydrophosphorus, nitric, hydrochloric, and hydrofluoric.

HI - halogenated inorganics including boron tribromide, phosphorus oxychloride, and silicon tetra fluoride

CFC - chlorofluorocarbon

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Point No. (1)	Name (2)	Name (3)	lb/hrTPY
SO ₂	- sulfur dioxide		
CO ₂	- carbon dioxide		
MS Acid	- methane sulfonic acid		
SiO ₂	- silicon dioxide		
NO	- nitric oxide		

Dated _____