

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 34808

This maximum allowable emission rates table (MAERT) lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The first section of this table lists the maximum allowable emission rates for air contaminant categories. Individual air contaminants that make up an air contaminant category may be emitted in any amount such that their sum total does not exceed the maximum allowable emission rates for their category. Some individual air contaminants are further restricted to their own, individual emission rates, as identified in the permit application dated February 13, 1997.

AIR CONTAMINANTS DATA

Emission (4)	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	<u>lb/hr</u>	<u>TPY</u>
Air Contaminant Category Emission Rates				
FAB16 (5)	Fab 16 Process Stacks	Inorganic HAP	9.76	9.90
		IOG	9.00	13.9
		non-HAP Acid/Base	5.00	10.0
		NPOC	20.0	50.0
		VOC	25.0	47.0
		Organic HAP (6)	25.0	9.90
T1 - T8	VOC Storage Tanks	VOC	0.80	0.13
T11 - T14, T17, and T18	Miscellaneous Storage Tanks <0.01	Acid/Base		<0.01
LDG1	Loading Spot	VOC	9.97	0.07
ATSCB	Acid Tank Scrubber	Acid	0.78	0.01
B1 - B8	Steam Boilers	NO _x	20.0	49.0
		CO	19.0	49.5
		SO ₂	2.00	5.00
		PM	6.00	15.0
		NPOC	2.00	5.00

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
		VOC	1.00	2.00

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- (1) Emission point identification - 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) HAP - hazardous air pollutants as listed by the Environmental Protection Agency
IOG - inorganic process gases
NPOC - non-precursor organic compounds - exempt solvents as defined in General Rule 101.1
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
PM - particulate matter
- (4) Emission rates are based on a continuous operating schedule of 8,760 hours per year; however, to show compliance with these emission rates, recordkeeping required by Special Condition No. 25 will calculate actual emissions based on actual operating hours.
- (5) Emission Point No. (EPN) FAB16 includes up to 12 house scrubbers and two CCCUs. In addition, a small portion of emissions are assumed to leave the fab building as fugitives through miscellaneous building exhaust points and are included under EPN FAB16.
- (6) Total emissions of VOC, including up to 25.0 lb/hr and 9.90 tpy of organic HAP, may not exceed the maximum allowable VOC emission rate of 25.0 lb/hr and 47.0 tpy.

Dated _____