

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 23058

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) lb/hr	Source Name (2) TPY	Air Contaminant	Emission Rates*	
			Name (3)	
E-YN-1,2,3 10,11, 12,13, and 14	Scrubber Stacks (4) (Y-Building)	Acids/Bases	6.02	26.37
		VOC	1.71	7.50
		Specialty Gases	2.31	10.10 (5)
		Elemental Gases	1.34	5.89 (6)
		Halocarbons	1.52	6.65
		PM	7.50	32.85
E-YP-1	Silane Gas Purge Panel	PM	<0.01	<0.01
E-YN-5	Oxidizer Stack (Rotor Concentrator For Y-Building)	VOC	12.89	56.41
		SO ₂	<0.01	<0.01
		NO _x	5.57	24.39
		CO	0.06	0.07
		PM	0.14	0.15
E-YE-1	Fugitive Emissions (Anhydrous Ammonia Storage Tank)	Specialty Gas (Ammonia only)	0.90	2.66
E-PS-1,2	Scrubber Stacks (7) (P-Building)	Acids/Bases	0.42	1.86
		Specialty Gases	0.62	2.71
E-PS-3	Oxidizer Stack (Rotor Concentrator For P-Building)	VOC	5.69	24.82
		SO ₂	0.01	<0.01
		NO _x	1.72	7.57
		CO	0.35	0.23
		PM	0.14	0.09

(1) Emission point identification - either specific equipment designation

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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

VOC - volatile organic compounds as defined in General Rule 101.1

SO₂ - sulfur dioxide

NO_x - nitrogen oxide

CO - carbon monoxide

(4) These emission rates are the sum of all eight scrubber exhausts.

(5) Specialty Gases include hydrides and inorganic halides.

(6) Elemental Gases include chlorine, ozone, and nitrous oxide.

(7) These emission rates are the sum of the two scrubber exhausts.

* These allowable emission rates do not represent the potential increases allowed under Special Condition No. 4.

Dated _____