

Emission Sources - Maximum Allowable Emission Rates

Permit Number 33665

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, sources, and related activities. 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 (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
Area 300 Fugitives	Fugitives (5)	Cl ₂	0.34	1.47
		HCl	0.01	0.01
		NaOCl	0.01	0.01
		H ₂ SO ₄	0.18	0.88
FV30008500	HCl Vent Scrubber	HCl	0.01	0.01
FV32500900	Chlorine Absorption	Cl ₂	0.01	0.01
FS32500105	Secondary Absorption Caustic Tank Scrubber	NaOH	0.01	0.01
MSS FV3250090	Chlorine Absorption (nitrogen purges)	Cl ₂	0.03	0.01
MSS CHA FUG	Uncontrolled Equipment Cleaning	Cl ₂	0.01	0.01
		HCl	0.01	0.01
	Instrument Clearing	Cl ₂	0.01	0.01
		HCl	0.01	0.01
	Ammonia Reaction Test	NH ₃	0.04	0.01

- (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) Cl₂ - chlorine
 HCl - hydrogen chloride
 NaOCl - sodium hypochlorite
 NaOH - sodium hydroxide
 H₂SO₄ - sulfuric acid
 NH₃ - ammonia
 (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
 (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: February 5, 2018