

Emission Sources - Maximum Allowable Emission Rates

Permit Number 35490

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 No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
ALKSCRB	Alkaline Scrubber	NH ₃ (6)	0.01	0.01
		NH ₄ OH (6)	0.01	0.01
		IPA	0.01	0.01
ACDSCRB	Acid Scrubber	HCL (6)	0.01	0.01
		H ₂ O ₂ (6)	0.01	0.01
		H ₂ SO ₄	0.01	0.01
WWATER	Wastewater Treatment	NH ₄ OH	0.11	0.48
		HCL	0.01	0.01
		H ₂ O ₂	0.01	0.01
		IPA	0.01	0.01
UNLDSCRB	Unloading System Scrubber	NH ₃	0.01	0.01
		HCL	0.01	0.01
	MSS Activities (7)	NH ₃	1.96	0.01
FUG-2	Loading Fugitives (5)	NH ₄ OH	0.51	0.24
		IPA	0.05	0.03
		HCL	0.03	0.01
		H ₂ O ₂	0.01	0.01
		H ₂ SO ₄	0.01	0.01
FUG-3	Equipment Fugitives (5)	NH ₃	0.01	0.01
		NH ₄ OH	0.01	0.01
		IPA	0.05	0.03

Emission Sources - Maximum Allowable Emission Rates

		HCL	0.01	0.01
		H ₂ O ₂	0.01	0.01
		H ₂ SO ₄	0.01	0.01
FUG-4	Pretreatment Scrubber Fugitives (5)	NH ₃	0.01	0.01
		NH ₄ OH	0.01	0.01
		IPA	0.01	0.01
		HCL	0.01	0.01
		H ₂ O ₂	0.01	0.01
		H ₂ SO ₄	0.01	0.01
T-0701	Tank T-0701	H ₂ O ₂	0.56	0.07
BOILER	Boiler	VOC	0.02	0.10
		CO	0.35	1.52
		NO _x	0.41	1.81
		PM	0.03	0.14
		SO ₂	0.01	0.01
MAINT	Uncontrolled MSS	NH ₃	0.18	0.01
		H ₂ O ₂	0.18	0.01
		HCL	0.09	0.01
		VOC	15.10	0.13
		SO ₂	0.0001	0.0001
		PM ₁₀ /PM _{2.5}	0.0004	0.0001

Emission Sources - Maximum Allowable Emission Rates

- (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) Exempt Solvent
 - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
- VOC
 - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO_x
 - total oxides of nitrogen
- SO₂
 - sulfur dioxide
- PM
 - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀
 - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- PM_{2.5}
 - particulate matter equal to or less than 2.5 microns in diameter
- CO
 - carbon monoxide
- NH₃
 - ammonia
- H₂O₂
 - hydrogen peroxide
- HCL
 - hydrogen chloride
- H₂SO₄
 - sulfuric acid
- NH₄OH
 - ammonium hydroxide
- (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.
- (6) Emissions include normal production and planned maintenance, start-up, and shutdown activities.
- (7) Emissions include planned maintenance, start-up, and shutdown activities only

Date: November 2018