

Emission Sources - Maximum Allowable Emission Rates

Permit Number 8372

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)
337H1	MHBA Incinerator Scrubber	VOC	0.54	
		NOx	9.72	
		SO ₂	8.90	
		CO	0.86	
		Sulfuric Acid Mist	4.69	
		Exempt Solvent (Acetone)	0.03	
337H2	MHBA No. 2 Incinerator Scrubber	VOC	0.06	
		NOx	5.55	
		SO ₂	8.94	
		CO	0.09	
		Sulfuric Acid Mist	4.69	
		Exempt Solvent (Acetone)	0.003	
337H1 and 337H2	Incinerator Scrubbers Combined	VOC		0.61
		NOx		31.8
		SO ₂		35.1
		CO		2.6
		Sulfuric Acid Mist		2.79
		Exempt Solvent (Acetone)		0.13
337T5	Sodium Hydroxide Solution Tank	PM (Sodium Hydroxide)	0.01	0.01

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337T15	Sodium Hydroxide Solution Tank	PM (Sodium Hydroxide)	0.01	0.01
337T7	Sodium Hydroxide Solution Tank	PM (Sodium Sulfur Salts)	0.01	0.01
337Z2	MHBA Flare (5)	VOC	0.01	0.01
		NOx	0.03	0.12
		SO ₂	0.01	0.01
		CO	0.24	1.05
MHBA-FUG	Fugitives (6)	VOC	3.77	16.51
		Hydrogen Cyanide	0.5	2.17
		Exempt Solvent (Acetone)	0.19	0.82
326T7	Sulfuric Acid Tank	Sulfuric Acid	0.01	0.01
326T8	Acetic Acid Tank	VOC	2.7	0.02
326T16	Diesel Tank	VOC	0.73	0.01
326T21	Diesel Tank	VOC	0.15	0.01
327T5	Acetic Acid Tank	VOC	0.03	0.01
338T4-1	Sodium Chloride Solution Tank	PM (Sodium Chloride)	0.01	0.01
338T4-2	Sodium Chloride Solution Tank	PM (Sodium Chloride)	0.01	0.01
43T7	Sulfuric Acid Tank	Sulfuric Acid	0.01	0.01
326T10	Propylene Glycol Tank	VOC	0.01	0.01
327T11	Propylene Glycol Tank	VOC	0.01	0.01
43T41	Propylene Glycol Tank	VOC	0.02	0.01
MHBA-MSS	Planned MSS Activities	VOC	1.54	0.02

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		NO _x	5.07	0.43
		SO ₂	0.96	0.07
		CO	0.01	0.01
		Sulfuric Acid Mist	1.84	0.12
		Acetic Acid	0.01	0.01
		Methylthiopropional	0.01	0.01
		Hydrogen Cyanide	0.01	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) 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
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Flare is for emergency use only. Emissions shown are from pilot gas combustion.
- (6) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

Date May 22, 2012
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