

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 56696

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)
A100D	A-100 Fume Scrubber	CO	0.04	0.01
		NO <sub>x</sub>	0.05	0.01
		PM	0.20	1.20
		PM <sub>10</sub>	0.20	1.20
		PM <sub>2.5</sub>	0.20	1.20
		SO <sub>2</sub>	0.20	0.60
		SO <sub>3</sub>	0.06	0.11
		VOC (6)	0.98	0.82
		1,4-Dioxane	0.01	0.01
		Naphthalene	0.01	0.01
LOAD625	Sulfonation Loading Area	VOC (6)	2.60	0.03
		1,4-Dioxane	0.01	0.01
		Formaldehyde	0.01	0.01
		Methanol	0.02	0.01
		Naphthalene	0.12	0.01
FUGA100	A-100, DB-50, DB-100, and DB-200 Units and Tank Area Fugitives (5)	NH <sub>3</sub>	0.03	0.11
		VOC (5)	1.71	7.47
		Naphthalene	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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- NO<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- SO<sub>3</sub> - sulfur trioxide

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PM	- total particulate matter, suspended in the atmosphere, including PM <sub>10</sub> and PM <sub>2.5</sub> , as represented
PM <sub>10</sub>	- total particulate matter equal to or less than 10 microns in diameter, including PM <sub>2.5</sub> , as represented
PM <sub>2.5</sub>	- particulate matter equal to or less than 2.5 microns in diameter
CO	- carbon monoxide
NH <sub>3</sub>	- 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.
- (6) For each EPN the VOC emission rate includes any speciated VOC compound associated with the EPN.

Date: September 4, 2015