

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 2695A

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)
292 (6)	Combined Stack for the Crude Heater (11-H-1) and the Vacuum Heater (11-H-2)	CO	52.25	198.31
		NO <sub>x</sub>	74.64	283.30
		PM	4.73	17.94
		PM <sub>10</sub>	4.73	17.94
		PM <sub>2.5</sub>	4.73	17.94
		SO <sub>2</sub>	19.44	35.44
		VOC	3.42	12.98
292 (7)	Combined Stack for the Crude Heater (11-H-1) and the Vacuum Heater (11-H-2)	CO	21.77	82.63
		NO <sub>x</sub>	52.87	200.67
		PM	4.63	17.59
		PM <sub>10</sub>	4.63	17.59
		PM <sub>2.5</sub>	4.63	17.59
		SO <sub>2</sub>	19.44	35.44
		VOC	3.35	12.73
732	Tank 2001	VOC	5.09	1.67
F290	Fugitives (5)	VOC	34.80	152.42

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- (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)

CO	- carbon monoxide
NO <sub>x</sub>	- total oxides of nitrogen
PM	- total particulate matter, suspended in the atmosphere, including PM <sub>10</sub> and PM <sub>2.5</sub>
PM <sub>10</sub>	- particulate matter equal to or less than 10 microns in diameter, including PM <sub>2.5</sub>
PM <sub>2.5</sub>	- particulate matter equal to or less than 2.5 microns in diameter
SO <sub>2</sub>	- sulfur dioxide
VOC	- volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (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) The interim emission rates reflect incorporation of Permit by Rule 78081. The authorized NO<sub>x</sub> emission factor for this period of operation is 0.12 MMBTU/HR.
- (7) These emission rate limits become effective upon completion of the project identified in the Company's March 2013 permit amendment application.

Date: June 14, 2013