

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8978/PSD-TX-459M2

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. 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 *	
			lb/hr	TPY
CT-251	Cooling Tower (4)	VOC	2.1	56.7
FU-251	Fugitive Emissions (4)	VOC	3.01	13.2
S-251	Sumps (4)	VOC	1.7	7.5
F-251	Steam Superheater	VOC	1.2	5.3
		NO <sub>x</sub>	23.4	102.5
		SO <sub>x</sub>	0.8	3.4
		CO	4.2	18.4
		PM	3.0	13.1
F-252	Hot Oil Heater	VOC	0.6	2.7
		NO <sub>x</sub>	9.3	40.7
		SO <sub>x</sub>	0.4	1.7
		CO	2.2	9.5
		PM	1.6	6.8
SP-51	Styrene Loading	Styrene	25.7	4.5
ST-152	Styrene Tank	Styrene	14.5	6.5
ST-251, 252, 254	Storage Tanks	VOC	0.9	0.7
ST-255 -257	Styrene Tanks	Styrene	11.44	12.2
ST-259, 260, 262, 267	Storage Tanks	VOC	10.7	1.2
LPV-254	PEB Hotwell Vent	VOC	0.5	2.1

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			<u>lb/hr</u>	<u>TPY</u>
LPV-255	Oxygen Monitors	VOC	0.1	0.4
SP-51	Loading	VOC	0.3	1.5
ST-253, 258, 261	Benzene and Ethylbenzene Tanks	VOC	2.2	2.8
FL-201	Flare	HCl	0.5	2.1

- (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 30 Texas Administrative Code Section 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>x</sub> - sulfur oxides  
 PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>  
 PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted  
 CO - carbon monoxide  
 HCl - hydrogen chloride
- (4) Fugitive emissions are an estimate only and should not be considered as maximum allowable emission rates.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day \_\_\_\_ Days/week \_\_\_\_ Weeks/year \_\_\_\_ or Hrs/year 8,760

Dated \_\_\_\_\_