

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 19681 and PSDTX771

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)
804	15.50 Boiler 210 MMBtu/hr w/ FGR (Includes Planned Maintenance and Startup Emissions) (6)	NO <sub>x</sub>	10.50	46.0
		CO	8.40	36.8
		PM	1.55	6.76
		PM <sub>10</sub>	1.55	6.76
		PM <sub>2.5</sub>	1.55	6.76
		VOC	1.12	4.22
		SO <sub>2</sub>	0.12	0.53
		Vinyl Acetate	0.18	0.46 (7)
		Acetaldehyde	0.08	0.22 (7)
		Methyl Acetate	1.63	5.44 (7)
		Methanol	0.63	1.35 (7)
		Ethyl Acetate	<0.01	<0.01 (7)
1006	Process Vent Line Fugitives (5)	Vinyl Acetate	0.01	0.05
		Acetaldehyde	<0.01	0.03
		Methyl Acetate	<0.01	0.01
		Methanol	0.02	0.06
Planned Maintenance Emission Sources				
INS	Insignificant Activities (8)	VOC	0.45	<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

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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

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (6) Planned maintenance and startup emissions are defined in the special conditions. Planned short-term and long-term maintenance and startup emissions (TPY) are included in the annual routine emission rates.
- (7) TPY rates are based upon average production rate from the Polyvinyl Alcohol Plant (Sekisui Special Chemicals America Vent Gas Stream)
- (8) Insignificant activities emissions are defined in the special conditions.

Date: July 24, 2015