

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 131859

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 (5)	
			lbs/hour	TPY (4)
01	HCl Scrubber No. 1 Stack (HCl Pickle Tanks 2, 3, 4, and 5 and 7 HCl Storage Tanks)	HCl	0.13	0.50
02	HCl Scrubber No. 2 Stack (HCl Pickle Tanks 2, 3, 4, and 5 and 7 HCl Storage Tanks)	HCl	0.13	0.50
01 and 02	HCl Scrubber No. 1 and No. 2 Stacks (HCl Pickle Tanks 2, 3, 4, and 5 and 7 HCl Storage Tanks)	HCl	0.13	0.50
03	Demister No. 1 Stack (Process Tanks Nos. 8, 9, 10, 11, 12, 13, 14, and 15)	PM	<0.005	0.02
		PM <sub>10</sub>	<0.001	<0.001
		PM <sub>2.5</sub>	<0.001	<0.001
04	Demister No. 2 Stack (Process Tanks Nos. 8, 9, 10, 11, 12, 13, 14, and 15)	PM	<0.005	0.02
		PM <sub>10</sub>	<0.001	<0.001
		PM <sub>2.5</sub>	<0.001	<0.001
05	Boiler No. 1 and No.2 Stack	PM	0.08	0.34
		PM <sub>10</sub>	0.08	0.34
		PM <sub>2.5</sub>	0.08	0.34
		SO <sub>x</sub>	0.006	0.02
		NO <sub>x</sub>	0.50	2.20
		CO	0.84	3.68
		VOC	0.06	0.24

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08	Phosphate Storage Tank Vent	PM	<0.001	<0.002
		PM <sub>10</sub>	<0.001	<0.002
		PM <sub>2.5</sub>	<0.001	<0.002
		H <sub>3</sub> PO <sub>4</sub>	<0.001	0.004
10	Caustic Storage Tank Vent	NaOH	<0.004	<0.02

- (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
- 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
- H<sub>3</sub>PO<sub>4</sub> - phosphoric acid
- NaOH - sodium hydroxide
- HCl - hydrogen chloride
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: October 31, 2016