

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 42019

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)
EP-1	FAB1 Reactor Exhaust	IOC-U	0.93	4.06
		PM	0.08	0.36
		PM <sub>10</sub>	0.08	0.36
		PM <sub>2.5</sub>	0.08	0.36
EP-2	FAB1 General House Exhaust	IOC-U	0.05	0.24
		VOC	0.002	0.01
		NH <sub>3</sub>	0.03	0.12
EP-3 and EP-5	FAB2 Reactor Exhaust	IOC-U	0.93	4.06
		PM	0.08	0.36
		PM <sub>10</sub>	0.08	0.36
		PM <sub>2.5</sub>	0.08	0.36
EP-4	FAB2 General House Exhaust	IOC-U	0.05	0.24
		VOC	0.002	0.01
		NH <sub>3</sub>	0.03	0.12
EP-6 and EP-7	FAB3 Reactor Exhaust	IOC-U	0.14	0.62
		PM	0.02	0.06
		PM <sub>10</sub>	0.02	0.06
		PM <sub>2.5</sub>	0.02	0.06
EP-8	FAB3 General House Exhaust	IOC-U	0.04	0.18
		VOC	<0.01	<0.01
		NH <sub>3</sub>	<0.01	0.06
All Emission Points at the Site	All Sources at the Site	Individual HAP	--	<10.00
		Total HAPs	--	<25.00

Emission Sources - Maximum Allowable Emission Rates

- (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
NH <sub>3</sub>	- ammonia
IOC-U	- inorganic compounds (unspeciated)
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
HAP	- hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: May 31, 2019