

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 19868

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)
PELETDRYER	Pellet Dryer	Ethylene	0.08	0.04
		Propylene	0.81	0.84
		Total VOC (7)	0.81	0.88
FINBAGFLTR	Finishing Bag Filter	PM	0.02	0.04
		PM <sub>10</sub>	0.02	0.04
		PM <sub>2.5</sub>	0.02	0.04
CONBAGFILTR	Conveying Air Bag Filter	PM	1.03	2.25
		PM <sub>10</sub>	1.03	2.25
		PM <sub>2.5</sub>	1.03	2.25
PELBAGFLTR	Pellet Cleaner Bag Filter	PM	1.03	2.25
		PM <sub>10</sub>	1.03	2.25
		PM <sub>2.5</sub>	1.03	2.25
FLARE	Flare (Routine)	CO	49.76	52.91
		NO <sub>x</sub>	9.67	10.38
		Total VOC (7)	57.85	23.71
		Ethylene	5.10	--
		Propylene	57.85	--
		Total HRVOC (6)	--	23.71
		SO <sub>2</sub>	0.13	0.31

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	Flare (Maintenance, start-up and shutdown)	CO	74.26	2.30
		NO <sub>x</sub>	14.57	0.45
		Total VOC (7)	108.54	3.36
		Ethylene	14.17	--
		Propylene	108.54	--
		Total HRVOC (6)	--	3.36
FUGV3PP	Fugitives (5)	VOC	5.75	25.19
CWT	Cooling Tower	Ethylene	0.84	--
		Propylene	0.84	--
		Total VOC (7)	0.84	3.68
		PM	1.89	3.95
		PM <sub>10</sub>	1.89	3.95
		PM <sub>2.5</sub>	1.89	3.95
EMERGEN	Emergency Generator	PM	0.37	0.01
		PM <sub>10</sub>	0.37	0.01
		PM <sub>2.5</sub>	0.37	0.01
		CO	1.12	0.03
		NO <sub>x</sub>	5.21	0.14
		VOC	0.42	0.01
		SO <sub>2</sub>	0.34	0.01

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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) 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  
HRVOC - highly reactive volatile organic compounds as defined in 30 TAC § 115.10
- (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) Total HRVOC includes emissions of all highly reactive volatile organic compounds, including ethylene and propylene.
- (7) The allowable emissions rates listed for individual VOC species from this EPN are included in the total VOC emissions rates.

Date: July 14, 2017