

Emission Sources - Maximum Allowable Emission Rates

Permit Number 157167

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 (6)	
			lbs/hour	TPY (4)
S-1	Main Stack	HF	0.36	1.60
		F ₂	0.12	0.51
R-1	HTEGR Cooldown Cycle	HF	<0.01	<0.01
		F ₂	0.05	0.08
H-1	HTEGR Heater 1	VOC (5)	<0.01	0.02
		NO _x (5)	0.08	0.34
		SO ₂ (5)	<0.01	<0.01
		CO (5)	0.07	0.29
		PM (5)	0.01	0.03
		PM ₁₀ (5)	0.01	0.03
		PM _{2.5} (5)	0.01	0.03
H-2	HTEGR Heater 2	VOC (5)	<0.01	0.02
		NO _x (5)	0.08	0.34
		SO ₂ (5)	<0.01	<0.01
		CO (5)	0.07	0.29
		PM (5)	0.01	0.03
		PM ₁₀ (5)	0.01	0.03
		PM _{2.5} (5)	0.01	0.03

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WH-1	Water Heater	VOC (5)	<0.01	0.01
		NO _x (5)	0.05	0.22
		SO ₂ (5)	<0.01	<0.01
		CO (5)	0.04	0.19
		PM (5)	<0.01	0.02
		PM ₁₀ (5)	<0.01	0.02
		PM _{2.5} (5)	<0.01	0.02
FUG	Building Fugitives	HF	<0.01	<0.01
		F ₂	<0.01	0.03
		VOC	0.03	0.13
		PM	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
MSS	MSS Activities	HF	0.41	0.04
		F ₂	0.02	0.02
		VOC	2.30	0.03
		Exempt Solvent	1.51	0.02
		PM	0.07	<0.01
		PM ₁₀	0.02	<0.01
		PM _{2.5}	<0.01	<0.01
All Emission Points at the Site	All Sources at the Site	Individual HAP	---	<10.00
		Total HAPs	---	<25.00

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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) Exempt Solvent
 - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - HF - hydrogen fluoride
 - F₂ - fluorine
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - CO - carbon monoxide
 - 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) Products of combustion.
- (6) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: October 17, 2019