

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 50478

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)
BOILER 1	HURST Boiler	CO	0.18	0.79
		NO <sub>x</sub>	0.43	1.88
		SO <sub>2</sub>	0.01	0.04
		PM	0.13	0.55
		PM <sub>10</sub>	0.13	0.55
		PM <sub>2.5</sub>	0.13	0.55
		VOC	0.09	0.40
BOILER 2	FRONTIER Boiler	CO	0.16	0.72
		NO <sub>x</sub>	0.49	2.16
		SO <sub>2</sub>	0.01	0.04
		PM	0.13	0.55
		PM <sub>10</sub>	0.13	0.55
		PM <sub>2.5</sub>	0.13	0.55
		VOC	0.09	0.40
FULTON	Fulton Hot Oil Unit	CO	0.33	1.30
		NO <sub>x</sub>	0.39	1.55
		SO <sub>2</sub>	0.01	0.01
		PM	0.03	0.12
		PM <sub>10</sub>	0.03	0.12
		PM <sub>2.5</sub>	0.03	0.12
		VOC	0.02	0.09

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DOWTHERM	Dowtherm Hot Oil Unit	CO	0.12	0.39
		NO <sub>x</sub>	0.21	0.46
		SO <sub>2</sub>	0.01	0.01
		PM	0.01	0.03
		PM <sub>10</sub>	0.01	0.03
		PM <sub>2.5</sub>	0.01	0.03
		VOC	0.01	0.02
PHOENIX	Phoenix Hot Oil Unit	CO	0.34	1.11
		NO <sub>x</sub>	0.41	1.32
		SO <sub>2</sub>	0.01	0.02
		PM	0.03	0.09
		PM <sub>10</sub>	0.03	0.09
		PM <sub>2.5</sub>	0.03	0.09
		VOC	0.02	0.07
FLARE 1	Flare 1	Acids	0.01	0.01
		IOC-U	0.01	0.01
		CO	1.74	0.64
		NO <sub>x</sub>	0.24	0.09
		SO <sub>2</sub>	0.01	0.02
		VOC	3.27	0.25
		non-VOC HAPs	< 0.01	< 0.01
FLARE 2	Flare 2	Ammonia	0.02	0.04
		IOC-U	< 0.01	< 0.01
		CO	0.22	0.57
		NO <sub>x</sub>	0.03	0.08
		SO <sub>2</sub>	0.01	0.02
		VOC	0.10	0.03
		non-VOC HAPs	< 0.01	< 0.01
SCRUBBER 1	Scrubber 1	Ammonia	0.27	0.16

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		Acids	0.01	0.01
SCRUBBER 3	Scrubber 3	Acids	0.01	0.01
DRUM LOADING	Drum (tote) Loading	VOC	0.05	0.05
FUGITIVES	Fugitives (5)	VOC (6)	1.25	5.48
		IOC-U	0.13	0.55
		non-VOC HAPs	0.10	0.44
FLARE 3	Flare 3	CO	0.13	0.56
		NO <sub>x</sub>	0.02	0.08
		SO <sub>2</sub>	0.01	0.02
		VOC	<0.01	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
- IOC-U - inorganic compounds (unspeciated)
- 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
- non-VOC 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 (only those not also included in VOC as defined in Title 30 Texas Administrative Code § 101.1)
- (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) This is the calculated total fugitive emissions based on the component count and assumes that all of the components are in VOC service. The IOC-U and HAPs limits are not for additional components. Those limits account for the components being in service other than VOC.

Date: October 20, 2023