

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)
MIURA 1	MIURA 1 Boiler	CO	0.071	0.312
		NO _x	0.158	0.692
		SO ₂	0.005	0.021
		PM/PM ₁₀ /PM _{2.5}	0.058	0.255
		VOC	0.043	0.187
MIURA 2	MIURA 2 Boiler	CO	0.071	0.312
		NO _x	0.158	0.692
		SO ₂	0.005	0.021
		PM/PM ₁₀ /PM _{2.5}	0.058	0.255
		VOC	0.043	0.187
FULTON	Fulton Hot Oil Unit	CO	0.457	2.01
		NO _x	0.544	2.383
		SO ₂	0.003	0.131
		PM/PM ₁₀ /PM _{2.5}	0.038	0.164
		VOC	0.028	0.121
DOWTHERM	Dowtherm Hot Oil Unit	CO	0.404	1.770
		NO _x	0.481	2.116
		SO ₂	0.003	0.112
		PM/PM ₁₀ /PM _{2.5}	0.033	0.145
		VOC	0.025	0.107

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PHOENIX	Phoenix Hot Oil Unit	CO	0.421	1.843
		NO _x	0.501	2.194
		SO ₂	0.003	0.012
		PM/PM ₁₀ /PM _{2.5}	0.034	0.151
		VOC	0.025	0.111
FLARE 1	Flare 1	Ammonia	0.075	0.143
		Acids	0.212	0.042
		IOC-U	0.556	0.326
		CO	0.022	0.096
		NO _x	0.401	0.094
		SO ₂	0.176	0.139
		VOC	0.051	0.065
FLARE 2	Flare 2	Ammonia	0.002	0.001
		Acids	0.001	0.001
		IOC-U	0.001	0.001
		CO	0.022	0.096
		NO _x	0.011	0.048
		SO ₂	0.001	0.001
		VOC	0.042	0.024
SCRUBBER 1	Scrubber 1	Acids	0.001	0.001
		VOC	0.056	0.338
FUGITIVES	Fugitives (5)	VOC	0.700	2.970

- (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

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IOC-U	- inorganic compounds (unspeciated)
NO _x	- total oxides of nitrogen
SO ₂	- sulfur dioxide
PM	- total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented
PM ₁₀	- total particulate matter equal to or less than 10 microns in diameter
PM _{2.5}	- total particulate matter equal to or less than 2.5 microns in diameter
CO	- carbon monoxide

(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.

Date: October 10, 2012