

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 83503 and PSDTX1111

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)
CTG-1	Combustion Turbine 1 Combined Cycle Stack, including Duct Burner and SCR System	NO _x	22.00	119.66
		NO _x (5)	148.50	---
		SO ₂	3.97	14.91
		CO	95.70	1079.21
		CO (5)	3184.50	---
		VOC	13.20	107.40
		VOC (5)	306.90	---
		PM	15.40	52.80
		PM ₁₀	15.40	52.80
		H ₂ SO ₄	0.61	2.28
		NH ₃	40.70	152.48
CTG-2	Combustion Turbine 2 Combined Cycle Stack, including Duct Burner and SCR System	NO _x	22.00	119.66
		NO _x (5)	148.50	---
		SO ₂	3.97	14.91
		CO	95.70	1079.21
		CO (5)	3184.50	---
		VOC	13.20	107.40
		VOC (5)	306.90	---
		PM	15.40	52.80
		PM ₁₀	15.40	52.80
		H ₂ SO ₄	0.61	2.28
		NH ₃	40.70	152.48
CTWR-1 Project Number: 232335	Plant Cooling Tower	PM	4.05	17.74
		PM ₁₀	4.05	17.74

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IAC-1	Inlet Air Chiller System Cooling Tower	PM	0.24	1.05
		PM ₁₀	0.24	1.05
IAC-2	Inlet Air Chiller System Cooling Tower	PM	0.24	1.05
		PM ₁₀	0.24	1.05
AUX-1	Auxiliary Boiler	NO _x	0.42	1.84
		SO ₂	0.02	0.09
		CO	1.55	6.79
		VOC	0.25	1.10
		PM	0.42	1.84
		PM ₁₀	0.42	1.84
ENG-2	Diesel-Fired Emergency Engine	NO _x	35.24	8.81
		SO ₂	0.12	0.03
		CO	1.88	0.47
		VOC	1.88	0.47
		PM/	0.17	0.04
		PM ₁₀	0.17	0.04
TK-ENG2	ENG-2 Fuel Tank	VOC	0.14	<0.01
OWSEP	API Separator	VOC	<0.01	0.01
FUG-1	Site Fugitives (6)	VOC	0.41	1.78
HTR-1	Line Heater 1	NO _x	1.18	5.17
		SO ₂	0.01	0.04
		CO	0.99	4.34
		VOC	0.06	0.26
		PM	0.09	0.39
		PM ₁₀	0.09	0.39
HTR-2	Line Heater 2	NO _x	1.18	5.17
		SO ₂	0.01	0.04
		CO	0.99	4.34
		VOC	0.06	0.26
		PM	0.09	0.39
		PM ₁₀	0.09	0.39
Project Number: 232335				
LOR-1	Lube Oil Reservoir	VOC	<0.01	0.01

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LOR-2	Lube Oil Reservoir Vapor Extractor Vent	VOC	<0.01	0.01
		PM	<0.01	0.01
LOR-3	Lube Oil Reservoir Vapor Extractor Vent	VOC	<0.01	0.01
		PM	<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
 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
 CO - carbon monoxide
 H₂SO₄ - sulfuric acid
 NH₃ - ammonia
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission limits during start up, shutdown, or maintenance operations (SSM). SSM event emissions are included in annual ton per year emissions.
- (6) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: February 12, 2019