

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 9346 and PSDTX612M2

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 (4) (5)	TPY (4) (6)
CG801	Gas Turbine Only	NO _x	17.46	76.48
		NO _x (7)	170.00	
		CO	31.89	139.67
		CO (7)	450.00	
		VOC	1.89	8.26
		VOC (7)	15.5	
		SO ₂	0.66	2.91
		PM	4.50	19.71
		PM ₁₀	4.50	19.71
		PM _{2.5}	3.90	17.08
		H ₂ SO ₄	0.07	0.29
		HAPs	0.60	(8)
CG802	Gas Turbine Only	NO _x	17.46	76.48
		NO _x (7)	170.00	
		CO	31.89	139.67
		CO (7)	450.00	
		VOC	1.89	8.26
		VOC (7)	15.5	
		SO ₂	0.66	2.91
		PM	4.50	19.71
		PM ₁₀	4.50	19.71
		PM _{2.5}	3.90	17.08
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		PM _{2.5}	3.90	17.08
		H ₂ SO ₄	0.07	0.29
		HAPs	0.60	(8)
CG804	Gas Turbine Only	NO _x	17.46	76.48
		NO _x (7)	170.00	
		CO	31.89	139.67
		CO (7)	450.00	
		VOC	1.89	8.26
		VOC (7)	15.5	
		SO ₂	0.66	2.91
		PM	4.50	19.71
		PM ₁₀	4.50	19.71
		PM _{2.5}	3.90	17.08
		H ₂ SO ₄	0.07	0.29
		HAPs	0.60	(8)

Emission Sources - Maximum Allowable Emission Rates

CG801	Gas Turbine and Duct Burner Firing	NO _x	34.05	149.14
		NO _x (7)	186.59	
		CO	38.53	168.74
		CO (7)	456.64	
		VOC	2.55	11.17
		VOC (7)	16.16	
		SO ₂	0.76	3.34
		PM	5.74	25.12
		PM ₁₀	5.74	25.12
		PM _{2.5}	5.14	22.50
		H ₂ SO ₄	0.08	0.33
		HAPs	0.91	(8)
CG802	Gas Turbine and Duct Burner Firing	NO _x	34.05	149.14
		NO _x (7)	186.59	
		CO	38.53	168.74
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		VOC	2.55	11.17
		VOC (7)	16.16	
		SO ₂	0.76	3.34
		PM	5.74	25.12
		PM ₁₀	5.74	25.12
		PM _{2.5}	5.14	22.50
		H ₂ SO ₄	0.08	0.33
		HAPs	0.91	(8)

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		PM	5.74	25.12
		PM ₁₀	5.74	25.12
		PM _{2.5}	5.14	22.50
		H ₂ SO ₄	0.08	0.33
		HAPs	0.91	(8)
CG804	Gas Turbine and Duct Burner Firing	NO _x	34.05	149.14
		NO _x (7)	186.59	
		CO	38.53	168.74
		CO (7)	456.64	
		VOC	2.55	11.17
		VOC (7)	16.16	
		SO ₂	0.76	3.34
		PM	5.74	25.12
		PM ₁₀	5.74	25.12
		PM _{2.5}	5.14	22.50
		H ₂ SO ₄	0.08	0.33
		HAPs	0.91	(8)

Emission Sources - Maximum Allowable Emission Rates

BO1	Boiler 1	NO _x	5.50	17.95
		NO _x (7)	165.00	
		CO	20.35	66.41
		CO (7)	203.50	
		VOC	2.20	7.18
		VOC (7)	22.00	
		SO ₂	0.39	1.26
		PM	4.40	14.36
		PM ₁₀	2.75	8.97
		PM _{2.5}	1.65	5.38
		H ₂ SO ₄	0.04	0.13
		HAPs	1.02	(8)
		NH ₃	2.47	8.07
BO2	Boiler 2	NO _x	5.50	17.95
		NO _x (7)	165.00	
		CO	20.35	66.41
		CO (7)	203.50	
		VOC	2.20	7.18
		VOC (7)	22.00	
		SO ₂	0.39	1.26
		PM	4.40	14.36
		PM ₁₀	2.75	8.97
		PM _{2.5}	1.65	5.38
		H ₂ SO ₄	0.04	0.13
		HAPs	1.02	(8)
		NH ₃	2.47	8.07

Emission Sources - Maximum Allowable Emission Rates

BO3	Boiler 3	NO _x	5.50	17.95
		NO _x (7)	165.00	
		CO	20.35	66.41
		CO (7)	203.50	
		VOC	2.20	7.18
		VOC (7)	22.00	
		SO ₂	0.39	1.26
		PM	4.40	14.36
		PM ₁₀	2.75	8.97
		PM _{2.5}	1.65	5.38
		H ₂ SO ₄	0.04	0.13
		HAPs	1.02	(8)
		NH ₃	2.47	8.07
BO4	Boiler 4	NO _x	4.95	21.68
		NO _x (7)	55.00	
		CO	18.15	79.50
		CO (7)	181.50	
		VOC	1.98	8.67
		NH ₃	2.48	10.84
		SO ₂	0.39	1.69
		PM	3.96	17.34
		PM ₁₀	2.48	10.84
		PM _{2.5}	1.49	6.50
		H ₂ SO ₄	0.04	0.17
		HAPs	0.05	(8)
		NH ₃	2.48	10.84
CG801, CG802, CG803, CG804, BO1, BO2, BO3, BO4	Site-wide HAPs	Total HAPs	-	23.51
		Any single HAP	-	10.00
MSS-Fug	Maintenance Fugitive Emissions	VOC	16.2	0.04
Fug -Ammonia	Fugitive Ammonia Emissions	NH ₃	0.01	0.06

- (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) NO_x - total oxides of nitrogen
NH₃ - ammonia
Project Number: 327026

Emission Sources - Maximum Allowable Emission Rates

- SO₂ - sulfur dioxide
 - CO - carbon monoxide
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - H₂SO₄ - sulfuric acid
 - HAPs - Hazardous Air Pollutants
- (4) The pound per hour (lb/hr) and ton per year (tpy) emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted.
 - (5) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
 - (6) Compliance with annual emission limits is based on a rolling 12-month period.
 - (7) MSS hourly emission limit only. The tpy emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.
 - (8) Annual HAPs limits are within the Site-wide HAPs limits below.

Date: November 18, 2021