

Emission Sources - Maximum Allowable Emission Rates

Permit Number 3131A

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)
STK4	Compressor Engine C B GMV-10 1,100-hp	NO _x	62.99	275.90
		CO	1.99	8.71
		SO ₂	0.03	0.15
		VOC	0.34	1.49
		PM ₁₀	0.40	1.75
		Formaldehyde	0.46	1.99
STK5	Compressor Engine Superior 8G825 667- hp	NO _x	14.70	64.41
		CO	14.70	64.41
		SO ₂	0.02	0.09
		VOC	1.47	6.44
		PM ₁₀	0.10	0.45
		Formaldehyde	0.11	0.48
STK8A	Compressor Engine Superior 6G825 600- hp	NO _x	2.65	11.59
		CO	3.97	17.38
		SO ₂	0.02	0.08
		VOC	1.32	5.79
		PM ₁₀	0.09	0.40
		Formaldehyde	0.05	0.21
STK6A, STK6B, STK6C, STK6D	ENG6 Turbine 31,050- hp G.E. Frame 5	NO _x	90.27	395.40
		CO	34.20	149.80
		SO ₂	0.74	3.25
		VOC	6.16	26.96
		PM ₁₀	1.21	5.30
		Formaldehyde	0.13	0.57

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ENG-7A	Turbine 3842-hp Solar 40-T4700	NO _x	25.41	111.30
		CO	11.57	50.68
		SO ₂	0.14	0.61
		VOC	0.90	3.93
		PM ₁₀	0.23	1.00
		Formaldehyde	0.02	0.11
INCIN1	Acid Gas Incinerator	NO _x	3.67	2.00
		CO	3.08	1.68
		VOC	0.20	0.11
		SO ₂	140.00	--
		H ₂ S	0.70	--
		PM ₁₀	0.28	0.15
		Formaldehyde	0.01	0.01
FLR1	Acid Gas Flare	NO _x	1.00	1.00
		CO	8.59	8.60
		VOC	2.02	2.02
		SO ₂	140.00	--
		H ₂ S	1.49	--
FLR_ICN_CAP	Flare and Incinerator Cap	SO ₂	--	613.20
		H ₂ S	--	3.06
HTRSTK1	West Glycol Reboiler	NO _x	1.35	5.93
		CO	1.14	4.98
		SO ₂	0.01	0.04
		VOC	0.07	0.33
		PM ₁₀	0.10	0.45
		Formaldehyde	0.01	0.01
HTRSTK3	Regeneration Heater Mole Sieve	NO _x	0.82	3.60
		CO	0.69	3.02
		SO ₂	0.01	0.02

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		VOC	0.05	0.20
		PM ₁₀	0.06	0.27
		Formaldehyde	0.01	0.01
VENT1	Process Vent Stack	VOC	3.23	14.13
TNKS1P1	Slop Oil and Condensate	VOC	0.28	1.23
E-40	Glycol Storage	VOC	0.01	0.01
TK-8	Fuel Compressor Lube Oil	VOC	0.01	0.01
TK-26	Fuel Compressor Lube Oil	VOC	0.01	0.01
Magnus32	Turbine Lube Oil	VOC	0.01	0.01
TK-9	HC Pump Lube Oil	VOC	0.01	0.01
Magnus 68	Expander Lube Oil	VOC	0.01	0.01
TK-7	PB 87 Lube Oil	VOC	0.01	0.01
TK-28	PB 87 Used Oil	VOC	0.01	0.01
TK-35	Used Glycol Storage Tank	VOC	0.01	0.01
E-52	Used Glycol Storage Tank	VOC	0.01	0.01
E-53	Used Glycol Storage Tank	VOC	0.01	0.01
E-54	Antifreeze Storage	VOC	0.01	0.01
E-55	Amine Storage	VOC	0.01	0.01
E-56	Solvent Storage	VOC	0.01	0.01
TK-31	Fire Pump Fuel	VOC	0.01	0.01
TK-12	Wastewater Storage Tank	VOC	0.01	0.01
TK-13	North NGL/Water Receiver Tank	VOC	0.01	0.01
TK-14	South NGL/Water Receiver Tank	VOC	0.01	0.01
E-61	Pig Receiver Vent	VOC	5.95	1.09
		H ₂ S	0.01	0.01
CT1	CT1 Cooling Tower (5)	VOC	0.17	0.73

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FUG1	Plant Fugitives (5)	VOC	9.06	39.70
		H ₂ S	0.02	0.11
FUG-G	G-Line Component Fugitives (5)	VOC	0.11	0.46
		H ₂ S	0.03	0.13
HOH1	9.5 MMBTU/HR Hot Oil Heater	VOC	0.05	0.23
		Formaldehyde	0.01	0.01
		NO _x	0.95	4.16
		CO	0.80	3.50
		PM ₁₀	0.07	0.32
		SO ₂	0.01	0.02
HOH2	9.5 MMBTU/HR Hot Oil Heater	VOC	0.05	0.23
		Formaldehyde	0.01	0.01
		NO _x	0.95	4.16
		CO	0.80	3.50
		PM ₁₀	0.07	0.32
		SO ₂	0.01	0.02

- (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
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
H₂S - hydrogen sulfide
(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: September 29, 2023