

Emission Sources - Maximum Allowable Emission Rates

Permit Number 22099

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)
9	Process Flare for reactors, tanks, and ISO Blend	CO	9.58	3.25
		NO _x	1.86	0.63
		SO ₂	0.37	0.11
		VOC	1.54	1.88
138	Tank T-3101	VOC	0.01	-
147	Tank T-1903	VOC	0.01	-
148	Tank T-1904	VOC	0.01	-
149	Tank T-1905	VOC	0.01	-
150	Tank T-1909	VOC	0.01	-
161	Tank T-3904	VOC	0.01	-
521	Tank T-5001	VOC	0.01	-
522	Tank T-5002	VOC	0.01	-
ASA BL CAP	ASA Blend Tank Cap (EPN Nos. 138, 147, 148, 149, 150, 161, 521, 522)	VOC	-	<0.01
139	Tank T-3102	VOC	0.06	-
140	Tank T-3103	VOC	0.06	-
141	Tank T-3104	VOC	0.06	-
OSA TK CAP	OSA Tank Cap (EPN Nos. 139, 140, 141)	VOC	-	<0.01
145	Tank T-1907	VOC	0.01	-
157	Tank T-2904	VOC	0.01	-
159	Tank T-3902	VOC	0.01	-
DDSA TK CAP	DDSA Tank Cap (EPN Nos. 145,	VOC	-	<0.01

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	157, 159)			
523	Tank T-1901	VOC	0.01	-
520	Tank T-1902	VOC	0.01	-
7	Tank T-5902	VOC	0.01	-
CR ASA CAP	Crude ASA Tank Cap (EPN Nos. 523, 520, 7)	VOC	-	0.01
155	Scrubber for tanks T-6304 and Tank T-6305 (6)	VOC	<0.01	<0.01
158	Tank T-7901	VOC	0.01	-
160	Tank T-7902	VOC	0.01	-
ASA TK CAP	ASA Tank Cap (EPN Nos. 158 and 160)	VOC	-	<0.01
174	Tank T-4901	VOC	0.02	0.01
506	Scrubber for tanks T-6901, T-6903, T-6926, and T-6955 (6)	VOC	<0.01	<0.01
		PM	0.03	<0.01
		PM ₁₀	0.03	<0.01
		PM _{2.5}	0.03	<0.01
507	Scrubber for tanks T-6006A, T-6006B, T-6220, and T-6226 (6)	VOC	<0.01	<0.01
508	Heater	CO	0.10	0.42
		NO _x	0.33	1.44
		PM	0.06	0.26
		PM ₁₀	0.06	0.26
		PM _{2.5}	0.06	0.26
		SO ₂	0.01	0.02
		VOC	0.04	0.19
511	Truck Loading	VOC	0.01	<0.01
515	Truck Loading	VOC	0.19	0.01
PQ-TL	Truck Loading	VOC	0.01	<0.01
13	Truck Loading	VOC	0.05	0.01

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171	Truck Loading	VOC	0.01	<0.01
DPC-TL	Truck Loading	VOC	0.36	0.01
505	Drum Loading	VOC	0.11	0.01
513	Drum Loading	VOC	0.01	0.01
514	Drum Loading	VOC	0.01	<0.01
516	Container Loading	VOC	0.02	<0.01
517	Drum Loading	VOC	<0.01	<0.01
518	Heater	CO	0.02	0.06
		NO _x	0.08	0.32
		PM	0.06	0.26
		PM ₁₀	0.06	0.26
		PM _{2.5}	0.06	0.26
		SO ₂	0.01	0.02
		VOC	0.04	0.19
F-P	Fugitives (5)	VOC	1.77	7.74
DPC-FU	Fugitives (5)	VOC	0.02	0.09
44	Boiler No. 3	CO	2.39	10.46
		NO _x	2.84	12.45
		PM	0.22	0.95
		PM ₁₀	0.22	0.95
		PM _{2.5}	0.22	0.95
		SO ₂	0.02	0.08
		VOC	0.16	0.69

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- (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)

CO	- carbon monoxide
NO _x	- total oxides of nitrogen
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, including PM _{2.5} , as represented
PM _{2.5}	- particulate matter equal to or less than 2.5 microns in diameter
SO ₂	- sulfur dioxide
VOC	- volatile organic compounds 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) Emission rates associated with EPN Nos. 155, 506, and 507 are void upon routing the emissions from associated storage tanks to the Process Flare (EPN 9), as represented in the permit amendment application PI-1 dated April 20, 2023 (TCEQ Project No. 356516).

Date: November 7, 2023