

Emission Sources - Maximum Allowable Emission Rates
Permit Number 18528

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)
010LD1	Drum Loading B-27 (8)	NPG	0.01	0.01
		VOC	0.10	0.01
010LR1	Rail Loading B-40 (8)	NPG	40.77	2.29
		VOC	4.26	0.21
010LT61	Tank Truck Loading Spot B-27 (8)	NPG	40.77	3.49
		VOC	4.26	0.22
010LD1, 010LR1, and 010LT61	NPG Loading Limit (8)	NPG	41.19	---
010OIL	Drum Vent	VOC	0.01	0.01
011BLD	Building Emissions	PM	0.10	0.10
		PM ₁₀	0.10	0.10
		PM _{2.5}	0.10	0.10
011D40	Scrubber	VOC	0.68	3.00
		PM	1.03	4.50
		PM ₁₀	1.03	4.50
		PM _{2.5}	1.03	4.50
011FL1A	Flare (9)	CO	4.82	15.82
		NO _x	0.56	1.85
		SO ₂	0.03	0.08
		VOC	2.96	9.88
048FL1C	Backup Flare (9)	CO	4.82	15.82
		NO _x	0.56	1.85

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		SO ₂	0.03	0.08
		VOC	2.96	9.88
011FL1A and 048FL1C	Flare Cap (9)	CO	4.82	15.82
		NOx	0.56	1.85
		SO ₂	0.03	0.08
		VOC	2.96	9.88
010T256	Catalyst Wash Tank	NPG	0.13	0.10
011GA3	BTU Analyzer	VOC	0.40	1.26
011LR1	Loading Vent	VOC	1.14	0.02
010MJ68	Vacuum Jet	VOC	0.03	0.03
011OD1	Drum Vent	VOC	0.01	0.01
011OD2	Drum Vent	VOC	0.01	0.01
011TK23	Storage Tank	VOC	0.01	0.01
011T95	Storage Tank	VOC	6.40	0.04
011T113	Storage Tank	VOC	0.98	0.06
011T206	Catalyst Wash Tank	NPG	0.13	0.10
011T303	Catalyst Wash Tank	NPG	0.27	0.10
011T306	Storage Tank	VOC	0.01	0.01
011T319	Storage Tank	VOC	0.01	0.01
011T375	Storage Tank	VOC	0.01	0.01
015LT77	Loading Vent	VOC	0.97	0.02
026T198	Storage Tank	VOC	0.08	0.10
026T199	Storage Tank	VOC	0.08	0.10
048T418	Storage Tank	VOC	0.37	0.86
049T141	Storage Tank	VOC	0.84	0.23

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049T142	Storage Tank	VOC	1.33	1.27
049T143	Storage Tank	VOC	1.33	1.27
049T144	Storage Tank	VOC	2.16	1.31
050LTK1	Loading Vent	VOC	0.01	0.01
050T3A	Storage Tank	VOC	3.36	0.83
050T50	Storage Tank	VOC	3.03	0.01
050T51	Storage Tank	VOC	2.92	0.01
050T74	Storage Tank	VOC	0.10	0.10
050T76	NPG Storage Tank	VOC	0.05	0.04
		NPG	3.09	2.31
050T77	Storage Tank	VOC	0.01	0.02
		NPG	4.07	1.07
050T138	Storage Tank	VOC	8.58	0.10
050T145	Storage Tank	VOC	0.10	0.01
050T191	Storage Tank	VOC	24.01	2.77
050T197	Storage Tank	VOC	0.01	0.03
		NPG	3.52	0.88
053D3	D-3 Column	VOC	0.51	0.04
053T53	D-8 Reflux Tank	VOC	0.16	0.02
F010FG3	Process Fugitives (5) (6)	VOC	8.12	35.76
		NPG	3.79	16.61
F010FG3	Process Fugitives (5) (7)	VOC	6.50	28.64
		NPG	3.26	14.28
F010CT6	No. 6 Cooling Tower	VOC	4.20	18.40
		PM	2.5	5.48
		PM ₁₀	0.75	3.07
		PM _{2.5}	0.75	3.07

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F010FG4	No. 6 Cooling Tower Process Fugitives (5)	Cl ₂	0.01	0.01
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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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
CO - carbon monoxide
NO_x - total oxides of nitrogen
NPG - neopentyl glycol
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
- (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) Fugitive emission rates based on 28M fugitive monitoring program until the implementation of the 28VHP program.
- (7) Fugitive emission rates based on 28VHP fugitive monitoring program after the implementation of 28VHP fugitive monitoring program in accordance with the requirements of Special Condition No. 21.
- (8) EPNs 010LD1, 010LR1 and 010LT61 are a group limited to NPG product loading rate of 41.19 lbs/hr of NPG. This rate includes the PBR authorized NPG drum loading rate of 18.42 lb/hr at EPN 010LD1.
- (9) EPN 048FL1C is a backup flare EPN 011FL1A. Permitted facility emissions may be routed to either or both of the flares, but the emission rates are not additive and shall not exceed the emission rates represented for the NPG Plant in EPN 011FL1A and 048FL1C Flare Cap. Note, when routed to EPN 048FL1C, the emissions on this permit are added to those authorized by NSR Permit no. 48591.

Date: May 6, 2019