

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)
008LR1	Loading Vent	VOC	3.20	1.62
010MJ68	D-34 Reflux Tank	VOC	0.01	0.01
010LR1	Rail Loading B-40 (7)	NPG	41.19	1.37
		VOC (6)	3.57	0.08
010LT61	Tank Truck Loading Spot B-27 (7)	NPG	41.19	2.71
		VOC (6)	3.57	0.09
010LD1, 010LR1, and 010LT61	NPG Loading Limit (1)	NPG	41.19	
010T153	D-28 Column Vent	VOC	1.26	0.01
010T256	Catalyst Wash Tank	VOC	0.13	0.10
011D40	Scrubber	PM (NPG)	0.68	3.00
		PM (TMPD)	0.35	1.50
		VOC	0.68	3.00
011FL1A	Flare	CO (8)	0.81	3.54
		NO _x (8)	0.09	0.41
		SO ₂ (8)	0.02	0.05
		VOC (8)	1.16	0.02
011FL1A	Flare	CO (9)	4.82	15.82
		NO _x (9)	0.56	1.85
		SO ₂ (9)	0.03	0.08

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		VOC (9)	2.94	9.80
		NPG (9)	0.02	0.06
011LR1	Loading Vent	VOC	1.14	0.02
011T95	Feed Tank	VOC	6.40	0.03
011T113	Storage Tank	VOC	0.98	0.06
011T206	Catalyst Wash Tank	VOC	0.13	0.10
011T303	Catalyst Wash Tank	VOC	0.27	0.10
015LT77R	Loading Vent	VOC	0.97	0.02
020LD1	Loading Vent	VOC	0.44	0.14
022LT51	Loading Vent	VOC	1.60	0.81
026T198	Storage Tank	VOC	0.08	0.10
026T199	Storage Tank	VOC	0.08	0.10
049T141	Storage Tank	VOC	0.10	0.10
049T142	Storage Tank	VOC	1.34	1.24
049T143	Storage Tank	VOC	1.34	1.24
049T144	Storage Tank	VOC	1.34	1.24
049T208	Storage Tank	VOC	11.59	1.17
050T3A	Process Vessel	VOC	2.52	0.69
050T50	Storage Tank	VOC	2.66	0.01
050T51	Storage Tank	VOC	2.55	0.01
050T74	Storage Tank	VOC	0.10	0.10
050T77	Storage Tank	VOC	0.01	0.02
		NPG	3.49	1.03
050T138	Storage Tank	VOC	0.53	0.10
050T145	Storage Tank	VOC	0.10	0.01

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050T191	Process Vessel	VOC	24.01	2.77
050T197	Storage Tank	VOC	0.01	0.03
		NPG	3.49	0.44
053D3	D-3 Column	VOC	0.51	0.04
053T53	D-8 Reflux Tank	VOC	0.16	0.01
053T97	Process Vessel	VOC	0.26	0.12
F010FG3	Process Fugitives (5)	VOC (8)	15.54	68.05
		VOC (9)	11.84	51.87
		NPG (9)	4.91	21.51
Permit by rule (PBR) sources incorporated by reference. Sources remain authorized by the PBR as listed below:				
Permitted by rule (PBR) 106.472 that does not require registration.				
010LD1	Drum Loading B-27 (7)	VOC	0.62	0.01
		NPG	18.42	0.02
		VOC (6)	0.43	0.01
050T422	Molten NPG Tank	VOC	0.23	0.09
		NPG	40.19	14.93

- (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

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- TMPD - 2,2,4 - Trimethyl 1,3-pentanediol
- 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) VOC emissions do not include specifically identified and authorized VOCs from this emission point.
- (7) EPNs 010LD1, 010LR1 and 010LT61 are group limited for NPG product loading to 41.19 lbs/hr of NPG, this includes the PBR limit for EPN 010LD1.
- (8) Existing emission rates.
- (9) Emission rates will be enforceable after the completion of constructions to add or modify the existing facilities as authorized by the 2011 Amendment. If the alternate mode of operation is discontinued, the existing emission rates shown in (9) are applicable.

Date: _____