

Emission Sources - Maximum Allowable Emission Rates

Permit Number 69A

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)
G-D-0	Specialties Dry Stack	VOC	8.86	0.72
		NO _x	<0.01	0.01
		CO	1.00	0.08
		SO ₂	<0.01	<0.01
		Al ₂ O ₃	2.07	0.09
		HCl	1.74	0.08
G-D-1	Specialties Wet Flare	VOC	29.80	33.28
		NO _x	3.17	3.56
		CO	22.43	25.15
		SO ₂	0.04	0.04
G-D-3	Ammonia Scrubber	VOC	2.56	1.03
		NH ₃	1.72	0.46
G-D-4	Ammonia Scrubber	VOC	0.93	0.98
		NH ₃	0.38	0.43
G-E-1	Tank D-5131 Steam Stripper Vent	VOC	0.10	0.08
G-E-2	Tank D-5801A/B Vent	VOC	<0.01	<0.01
		NH ₃	<0.01	<0.01
G-G-0	T-817A Rework Tank	VOC	0.32	0.02
		NH ₃	0.35	0.03
G-G-2	T-817C DEA Product Tank	VOC	<0.01	<0.01
G-G-5	T-5118 Lights Storage Tank	VOC	6.38	0.34
G-G-8	T-5144 Aniline/o-toluidine Storage Tank	VOC	0.62	0.26
G-G-9A	T-5141 Product Storage Tank	VOC	0.01	0.02
G-G-9B	T-5142 Product Storage Tank	VOC	0.01	0.02

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G-G-9C	T-5143 Product Storage Tank	VOC	0.01	0.02
G-H-5	Tank T-5130 Vent	VOC	<0.01	<0.01
		Caustic	<0.01	<0.01
		NH ₃	1.86	1.52
G-I-0	D-819 Heavies Storage Tank	VOC	<0.01	<0.01
G-I-3	D-821 DEA Product Tank	VOC	<0.01	<0.01
G-I-4	T-5820 Recycle Water Tank Vent	VOC	<0.01	<0.01
G-J-1	Crude, lights load-spot Knock-out pot	VOC	0.43	0.01
T-G-5	T-6144 Product Storage Tank	VOC	0.09	0.09
T-J-11	Product Load-spot Knock-out pot	VOC	0.22	0.07
G-GZ-0	DF-1 Fugitives (5)	VOC	6.13	17.03
		HCl	0.45	1.27
Site-wide HAPs	Site-wide HAPs	Total HAPs	-	<25.00
		Individual HAPs	-	<10.00

- (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
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
Al₂O₃ - aluminum oxide
HCl - hydrogen chloride
NH₃ - ammonia
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
- (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 20, 2019