

Emission Sources - Maximum Allowable Emission Rates

Permit Number 3678

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)
P1 Unit				
F303PV	P1 Product Tank	VOC	0.01	0.01
P102APVA	P1 Intermediate Tank	VOC	0.17	0.01
P102APVB	P1 Intermediate Tank	VOC	0.17	0.01
P102BPVA	P1 Intermediate Tank	VOC	0.17	0.01
P102BPVB	P1 Intermediate Tank	VOC	0.17	0.01
D201MV	P1 Neutralizer	VOC	0.38	0.05
F206PV	P1 Filter Feed Tank	VOC	0.38	0.05
F203APV	P1 Impurity Absorber Precoat Tank	VOC	0.02	0.01
F204APV	P1 Flash Drum Feed Tank	VOC	0.05	0.02
F204BPV	P1 Flash Drum Feed Tank	VOC	0.05	0.02
F205PV	P1 Stabilizer Tank	VOC	0.01	0.01
F305APV	P1 Rundown Tank	VOC	0.01	0.01
F305BPV	P1 Rundown Tank	VOC	0.01	0.01
F306APV	P1 Product Tank	VOC	0.01	0.01
F306BPV	P1 Product Tank	VOC	0.01	0.01
F306CPV	P1 Product Tank	VOC	0.01	0.01
F306DPV	P1 Product Tank	VOC	0.01	0.01
F306EPV	P1 Product Tank	VOC	<0.01	<0.01

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F306FPV	P1 Product Tank	VOC	<0.01	<0.01
F306GPV	P1 Product Tank	VOC	<0.01	<0.01
F306HPV	P1 Product Tank	VOC	<0.01	<0.01
F306JPV	P1 Product Tank	VOC	<0.01	<0.01
F306KPV	P1 Product Tank	VOC	<0.01	<0.01
P1LE	P1 Loading	VOC	0.01	0.01
P1PUFE	P1 Process Unit Fugitives (5)	VOC	0.07	0.18
P1OSFE	P1 Oxide System Fugitives (5)	VOC	0.21	0.94
P1FL1	Flare – Contribution from P1 Unit	VOC	3.88	0.77
		NO _x	0.80	0.53
		CO	6.81	4.33
		SO ₂	0.01	0.01
P2 Unit				
D1201MV	P2 Neutralizer Manual Vent	Propylene Oxide	0.24	0.07
F1102APVA	P2 Intermediate Tank Vent	Propylene Oxide	0.16	0.05
F1102APVB	P2 Intermediate Tank Vent	Propylene Oxide	0.16	0.05
F1102BPVA	P2 Intermediate Tank Vent	Propylene Oxide	0.16	0.05
F1102BPVB	P2 Intermediate Tank Vent	Propylene Oxide	0.16	0.05
F1203PV	P2 Impurity Absorber Tank Vent	Propylene Oxide	0.01	0.01
F1204APV	P2 Flash Drum Feed Tank Vent	Propylene Oxide	0.05	0.04
F1204BPV	P2 Flash Drum Feed Tank Vent	Propylene Oxide	0.05	0.04
F1209PV	P2 Slurry Tank Vent	Propylene Oxide	0.02	0.01
F1303APV	P2 Product Storage Tank Vents	VOC	0.03	0.01

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F1303BPV	P2 Product Storage Tank Vents	VOC	0.03	0.01
F1303CPV	P2 Product Storage Tank Vents	VOC	0.03	0.01
F1303DPV	P2 Product Storage Tank Vents	VOC	0.03	0.01
F1303EPV	P2 Propylene Glycol Tank Vents	VOC	0.02	0.01
F1303FPV	P2 Propylene Glycol Tank Vents	VOC	0.02	0.01
F1306APV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306BPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306CPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306DPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306EPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306FPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306GPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306HPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306JPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306KPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306LPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306MPV	P2 Product Storage Tank	VOC	0.05	0.01

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	Vents			
F1306NPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306PPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306VPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306WPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306XPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306YPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306ZPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306AAPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306BBPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306CCPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306DDPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306EPPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306FFPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306GGPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306HHPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
F1306JJPV	P2 Product Storage Tank Vents	VOC	0.05	0.01

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F1306KKPV	P2 Product Storage Tank Vents	VOC	0.05	0.01
P2LE	P2 Loading Emissions	VOC	0.12	0.01
P2WWE	P2 Wastewater Emissions	VOC	0.01	0.01
P2PUFE	P2 Process Unit Fugitives (5)	Ethylene Oxide	0.02	0.06
		Propylene Oxide	0.03	0.12
		Other VOC	0.01	0.01
P1FL1	Flare – Contribution from P2 Unit	CO	1.61	2.58
		NO _x	0.19	0.30
		Propylene Oxide	1.25	0.98
		Other VOC	0.12	0.09
		SO ₂	<0.01	<0.01

- (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
- (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: May 6, 2016