

Emission Sources - Maximum Allowable Emission Rates

Permit Number 1303

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)
PE-20	No. 1 Vent Stack Normal Operation only (6)	NH ₃	4.60	20.15
		VOC	0.67	2.91
PE-20	No. 1 Vent Stack Maintenance only (6) (7)	NH ₃	111.68	8.26
		VOC	19.48	1.44
PE-21	Low-Pressure Absorber Normal Operation only (6)	NH ₃	5.10	22.34
		VOC	0.70	3.07
PE-21	Low-Pressure Absorber Maintenance only (6) (7)	NH ₃	184.00	13.62
		VOC	29.67	2.20
PE-39	Tank Absorber	NH ₃	0.11	0.49
		VOC	0.13	0.24
PE-39	Tank Absorber Operation During Pump Maintenance	VOC	0.21	(8)
PE-40	Loading Absorber	NH ₃	0.27	1.17
		VOC	0.01	0.05
PE-41	COU Absorber	NH ₃	0.07	0.33
		VOC	0.13	0.56
PE-43	ADN Storage Tank	VOC	0.01	0.01
PE-44	ADN Storage Tank	VOC	0.01	0.01
PE-45	ADN Storage Tank	VOC	0.01	0.01
PE-46	ADN Storage Tank	VOC	0.01	0.01
PE-51	B258 Fugitives (5)	NH ₃	2.41	10.56
		VOC	0.06	0.29

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			lbs/hour	TPY (4)
PE-52	B261 Fugitives (5)	NH ₃	0.02	0.04
		VOC	0.09	0.40
PE-53	B517 Fugitives (5)	NH ₃	0.01	0.05
		VOC	0.16	0.73
PE-54	B317 Fugitives (5)	NH ₃	0.01	0.01
		VOC	0.03	0.11
PE-55	B233 Fugitives (5)	VOC	0.01	0.01
PE-61	ADN Storage Tank	NH ₃	0.02	0.01
		VOC	0.01	0.01
PE-62	Oil Storage Tank	VOC	0.01	0.01
PE-65	Solvent Degreaser	VOC	0.06	0.03
PE-66	Iron Ore Catalyst	PM	0.20	0.01
		PM ₁₀	0.10	0.003
		PM _{2.5}	0.01	0.0005
PE-67	Secondary Flash Tank Analyzer Vent	VOC	0.01	0.01
PE-68	"D" Column Make Analyzer Vent	VOC	0.01	0.01
PE-70	Wastewater Fugitives (5)	VOC	0.35	1.54
SEPRTR TK	Separator Vessel	VOC	0.11	0.48
		Ozone	0.01	0.05
PRETRFUG	ADN Pretreatment Fugitive Emissions (5)	VOC	0.02	0.09
		Ozone	0.003	0.01
HMD-MSS	HMD Area MSS Activities (7)	VOC	2.98	0.21
		NH ₃	4.08	0.01

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			lbs/hour	TPY (4)
LPSTACKMSS	LPSTACK MSS Emissions (7)	VOC	1.36	0.11
		NH ₃	3.27	0.26

- (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
- 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
- NH₃ - ammonia
- (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) Emissions from these EPNs are only from these permitted facilities.
- (7) MSS sources and activities are detailed in Attachments A, B, and C.
- (8) Annual emissions for EPN PE-39, Tank Absorber Operation During Pump Maintenance, are included in the annual VOC rates for EPN PE-39.

Date: July 30, 2020