

Emission Sources - Maximum Allowable Emission Rates

Permit Number 114809 & N190M1

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)
LBCT	LB-1 Cooling Tower	PM	0.40	1.55
		PM ₁₀	0.25	0.98
		PM _{2.5}	<0.01	<0.01
LBFUG	LB-1 Process Fugitives (5)	VOC	2.26	9.90
LBRVE	Residual VOC Emissions (6)	VOC	9.24 -	20.25
LBFLARE	LB-1 Flare	CO	327.55	86.56
		NO _x	69.59	17.21
		SO ₂	345.84	5.42
		VOC	531.62	51.96
		H ₂ S	2.84	0.02
	MSS Flaring	CO	458.95	37.95
		NO _x	91.37	7.43
		SO ₂	2.08	0.64
		VOC	543.82	38.06
LBWW	LB-1 Wastewater Flow	VOC	0.52	0.38
LBANALYZ	LB-1 Analyzers	VOC	0.02	0.01
MSS-LB1RM	LB-1 Routine Maintenance	VOC	2.63	<0.01
MSS-LB1RMA	LB1 MSS - Attachment A	VOC	1.25	0.01
		Tetrachloroethylene	1.26	0.04
MSS-LB1-VC	LB-1 Vessel Clearing	VOC	31.64	0.58
		CO	0.04	<0.01
LBV603	Alkyls Seal Oil Pot Vent	VOC	<0.01	<0.01
LBD108	Mineral Oil Storage Drum	VOC	0.01	0.01

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LBF806	Additive Feed Vent System	PM	0.07	0.30
		PM ₁₀	0.07	0.30
		PM _{2.5}	0.07	0.30
LBF807	Housekeeping Clean-up Vacuum System	PM	0.07	0.08
		PM ₁₀	0.07	0.08
		PM _{2.5}	0.07	0.08
LBOHG	LB-1 Oil Hydraulic Guard D114	VOC	<0.01	<0.01
LBD817	TNPP Additive Drum Vent	VOC	<0.01	<0.01
LB30F965	30-F-965 Filter	PM	0.01	0.02
		PM ₁₀	0.01	0.02
		PM _{2.5}	0.01	0.02
LB30F900A	30-F-900A Elutriator Vent	PM	0.18	0.53
		PM ₁₀	0.18	0.53
		PM _{2.5}	0.18	0.53
LB30F900B	30-F-900B Elutriator Vent	PM	0.18	0.53
		PM ₁₀	0.18	0.53
		PM _{2.5}	0.18	0.53
LBBL980	Hopper Blower	PM	0.14	0.15
		PM ₁₀	0.14	0.15
		PM _{2.5}	0.03	0.04
LBPK810	Pellet Dryer Vent	PM	0.10	0.42
		PM ₁₀	0.10	0.42
		PM _{2.5}	0.10	0.42

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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
NO_x - total oxides of nitrogen
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
CO - carbon monoxide
H₂S - hydrogen sulfide
- (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 shown at this point represent the total allowable VOC emission rates for all emission points in the process downstream of the buffer flushing silo.

Date: November 14, 2023