

Attachment A.4

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 2193 and N232

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)
MAR-LOADFUG	Marine Loading Fugitives Emissions Cap (6) SHDK-1, SHPDK-2, SHPDK-3, BGDK-1, BGDK-2, BGDK-3, SD-4-LOADFUG	VOC	141.96	6.70
MAR-VCU	Marine Loading VCU Emission Caps (6) VCU-1B, VCU-1C VCU-2A, VCU-2B, VCU-2C, VCU- BD3, SD-4-VCU	CO	-	3.40
		NO _x	-	2.55
		VOC	-	3.39
		SO ₂	-	0.03
		PM	-	0.32
		PM ₁₀	-	0.32
		PM _{2.5}	-	0.32
N158-BEN	N158 Benzene Emissions Cap (7)	Benzene	-	0.12

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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
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Reserved.
- (6) Limit applies to total emissions due to liquid transfers to marine vessels from storage tanks identified in Special Condition 1.C. The short-term emission rate limits are listed on Attachment A.1 and they apply to liquid transfers to marine and land based vessels from storage tanks identified in Special Condition No. 1.A , 1.B, & 1.C.
- (7) Benzene emissions cap applies to all facilities identified in Special Condition 1.C of this permit.

Date: December 7, 2017