

## 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)
SHDK-1, SHPDK-2, SHPDK-3, BGDK-1, BGDK-2, BGDK-3, SD-4-LOADFUG	Marine Loading Fugitives Emissions Cap (6)	VOC	141.96	6.70
VCU-1A, VCU-1B, VCU-2A, VCU-2B, VCU-2C, SD-4-VCU	Marine Loading VCU Emission Caps (6)	CO	6.91	3.40
		NO <sub>x</sub>	5.18	2.55
		VOC	8.59	3.39
		SO <sub>2</sub>	0.05	0.03
		PM	0.64	0.32
		PM <sub>10</sub>	0.64	0.32
		PM <sub>2.5</sub>	0.64	0.32
N158-BEN	N158 Benzene Emissions Cap (7)	Benzene	—	0.12

- (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<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
 PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
 PM<sub>2.5</sub> - 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 marine vessel liquid transfers from storage tanks identified in Special Condition 1.C.
- (7) Benzene emissions cap applies to all facilities identified in Special Condition 1.C of this permit.

Emission Sources - Maximum Allowable Emission Rates

Date: December 15, 2015