

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 22106

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. 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)	<u>Emission Rates</u>	
			lb/hr	TPY
TK-1	Barge Heel Storage Tank No. 1 0.01		VOC	5.54
TK-2	Barge Heel Storage Tank No. 2 0.01		VOC	5.54
TK-3	Barge Heel Storage Tank No. 3 0.01		VOC	5.54
TK-4	Barge Heel Storage Tank No. 4 0.01		VOC	4.06
TK-5	Barge Heel Storage Tank No. 5 0.01		VOC	4.06
TK-6	Barge Heel Storage Tank No. 6 0.01		VOC	4.06
TK-7	Barge Heel Storage Tank No. 7 0.01		VOC	4.06
TK-8	Barge Heel Storage Tank No. 8 0.01		VOC	4.06
TK-9	Vacuum Receiver Tank No. 9 (5) 0.02		VOC	2.33
TK-10	Vacuum Receiver Tank No. 10 (5)		VOC	5.98

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## AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
	0.05			
TK-11	Crude Oil Storage Tank No. 11		VOC	1.19
	0.20			
TK-12	Crude Oil Storage Tank No. 12		VOC	1.57
	0.27			
TK-13	Crude Oil Storage Tank No. 13		VOC	1.57
	0.27			
TK-14	Diesel Fuel Storage Tank No. 14		VOC	0.03
	<0.01			
TK-15	Wastewater Storage Tank No. 15		VOC	0.05
	<0.01			
TK-16	Wastewater Storage Tank No. 16		VOC	0.05
	<0.01			
TK-17	Wastewater Storage Tank No. 17		VOC	0.05
	<0.01			
TK-18	Wastewater Storage Tank No. 18		VOC	0.05
	<0.01			
FLARE	Barge Degassing/Cleaning Flare		VOC	1658.04
	56.0			
		NO <sub>x</sub>	3.84	16.78
		CO	7.67	33.51
BOILER	Propane Fired Boiler	VOC	0.03	0.14
	(6 MM Btu/Hour)	PM	0.03	0.11
		NO <sub>x</sub>	0.36	1.58
		SO <sub>2</sub>	0.01	0.06

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		CO	0.12	0.55
LOAD1	Barge Heel Product Loading Spot		VOC	3.00
	0.89			
LOAD2	Wastewater Loading Spot	VOC	0.38	0.01
FUGITIVES	Piping Component Fugitives (4)		VOC	0.31
	1.34			
CAS	Carbon Adsorption System (6)	Methylene Chloride		0.24
	1.05			
		Chloroform	0.16	0.70
		Ethylene Dichloride		0.06
	0.26			
		Perchloroethylene	0.02	0.09

- (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 30 Texas Administrative Code Section 101.1  
 NO<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.  
 PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter.  
 Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.  
 CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and are not considered as a maximum allowable emission rate.
- (5) Vacuum Receiver Tanks No. 9 and 10 must be routed to the flare or the carbon adsorption system as appropriate while deheeling barges

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containing compounds requiring vacuum receiver controls as indicated on Attachment A to this permit entitled "Chemicals Approved for Barge Cleaning - Texas Barge & Boat, Inc."

(6) Incorporated into permit from Standard Permit No. 39965 and Standard Exemption Registration No. 40004.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ Weeks/year \_\_\_\_\_ or  
Hrs/year 8,760

Dated \_\_\_\_\_