ATTACHMENT A-2

Permit Number 41618

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES ANNUAL EMISSIONS

This table lists the maximum allowable annual 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 annual 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

21.64

114.60

Emission	Source	Air Contaminant	Emission Rates *
Point Numbers (1)	Names (2)	Name (3)	Tons per Year

TERMINAL STORAGE TANKS (125), CAUSTIC SCRUBBER SCR-2, AND TANK FARM VENT **FLARE**

A Tank Farm: 45 Tanks Terminal Storage Tanks, Total CO Cap B Tank Farm: 11 Tanks P Tank Farm Caustic Scrubber SCR-2, Total NO_x Cap 2.52 D Tank Farm: 25 Tanks and Tank Farm Vent Flare (TVFL) Total VOC Cap E Tank Farm: 13 Tanks F Tank Farm: 10 Tanks P Tank Farm: 15 Tanks (P-15-29 to P-15-35, P-40-1 to P-40-3, and P-50-1 to P-50-5 Only) S Tank Farm: 4 Tanks DIESEL-1 **GASOLINE-1** Scrubber SCR-2 TVFL

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AIR CONTAMINANTS DATA

Emission Source Air Contaminant Emission Rates *
Point Numbers (1) Names (2) Name (3) Tons per Year

TERMINAL STORAGE TANKS (112) AND WASTEWATER EQUALIZATION TANK EQ-02

P Tank Farm: 10 Tanks Terminal Storage Tanks and Total CO Cap** 20.56 (P-15-36 to P-15-42, Wastewater Equalization Tank EQ-02 Total NO $_{\rm X}$ Cap** 5.02 P-25-2, P-25-3, and Total VOC Cap** 52.50

P-50-6 Only)

Q Tank Farm: 20 Tanks V Tank Farm: 4 Tanks AE Tank Farm: 12 Tanks CE Tank Farm: 12 Tanks DE Tank Farm: 8 Tanks EE Tank Farm: 13 Tanks FE Tank Farm: 9 Tanks GE Tank Farm: 24 Tanks Equalization Tank EQ-02 (4)

TERMINAL LAND AND MARINE BASED LOADING FACILITIES

Racks T-3 to T-6, T-8 to T-10 Tank Truck, ISO Container, and Rail Car **Included in Above Caps Racks R-1 to R-3, R-5 to R-8 Product Transfer Racks

Ship Docks 2/3 and 10/11 Marine Vessel and Barge Transfer Docks (5)**Included in Above Caps Barge Docks C and E

TERMINAL LAND AND MARINE BASED LOADING FLARES

Flares FL-1, FL-5, McGill Truck and Rail Car Loading Flare FL-1,**Included in Above Caps MLFR and MLFR-2 East Truck and Rail Car Loading Flare FL-5,

John Zink Marine Loading Flare (MLFR), and East Docks Marine Loading Flare (MLFR-2)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES ANNUAL EMISSIONS

AIR CONTAMINANTS DATA

Emission Point Numbers (1)	Source Names (2)	Air	Contaminant Name (3)	Emission Rates * Tons per Year			
1 One Nambers (1)	Names (2)		rvanie (o)	Tons per rear			
INTERMODAL TRANSFER STATION FACILITIES							
Racks T-4 and T-7	Intermodal Transfer Rack T-4 a	nd T-7	Non-VOC VOC	0.04 1.49			
FL-4	Intermodal Transfer Station MRW Flare FL-4 (Racks R-4 and T-7)	SO ₂ VOC		1.51 1.78 0.76			
TERMINAL BOILERS							
BLR-1	Boiler BLR-1 (33.5 MM Btu/Hou Cleaver-Brooks, 800-Horsepower	PM SO ₂ VOC		10.46 12.45			
BLR-2	Boiler BLR-2 (32.7 MM Btu/Hou Cleaver-Brooks Model CB-LE 800-Horsepower	SO ₂ VOC	CO NO _x PM 0.14 0.79	21.48 10.03 1.43			
INTERNAL COMBUSTION ENGINES							
FIRE-PUMP	Rack R-4 Fire Water Pump Eng Caterpillar Model 3406B-T 370-Horsepower	SO ₂	CO NO _x PM 0.02 0.02	0.06 0.30 0.02			

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AIR CONTAMINANTS DATA

Emission Point Numbers (1)	Source Names (2)	Air Contaminant Name (3)	Emission Rates * Tons per Year		
PIPING COMPONENT EQUIPMENT LEAK FUGITIVE EMISSIONS					
FU	Piping Component Fugitiv	ve Emissions (7) Non-VOC	VOC 77.67 0.80		
MISCELLANEOUS			(lb/hr//tpy)		
DOCK-ENG	Diesel Engines	$\begin{array}{c} \text{CO} \\ \text{NO}_{x} \\ \text{PM 2.5/10} \\ \text{SO}_{2} \\ \text{VOC} \end{array}$	0.53//0.10 1.92//0.35 0.18//0.03 0.16//0.03 0.06//0.01		
Degreaser	Degreaser	VOC	0.04//<0.01		
 (1) Emission point identification - either specific equipment designation or emission point number from a plot plan. (2) Specific point source names. For fugitive sources use area name or fugitive source name. (3) CO - carbon monoxide MeOH - methanol 					
NaOH NO _x	- - -	total oxides of nitr	sodium hydroxide (caustic soda) total oxides of nitrogen		
PM - particulate matter, suspended in the atmosphere, including PM ₁₀ . PM ₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no					

- SO₂ sulfur dioxide
- VOC volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Wastewater Equalization Tank EQ-02 is authorized under Permit By Rule § 106.472(2) effective September 4, 2000. Tank EQ-02 was constructed in May of 2002 and did not require agency registration.

particulate matter greater than 10 microns in emitted.

(5) The permitted VOC emissions cap does not include transfer operations that occur directly

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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES ANNUAL EMISSIONS

between marine vessels berthed at Stolthaven Houston's docks not utilizing shore-based equipment to facilitate the product transfer (i.e. lightering operations).

- (6) The Rack R-4 Fire Water Pump Engine is authorized under Permit by Rule § 106.511 effective September 4, 2000. This Engine was installed in November of 2000 and did not require agency registration
- (7) Fugitive emissions are an estimate only and are not considered as a maximum allowable emission rate.
- * Emission rates include emissions attributable to tank roof landing operations for listed internal floating roof tanks. Compliance with these emission limits is based on a rolling 12-month period. Emission rates are based on, and the facilities are limited by, the following maximum operating schedule:

Hours/day 24 Days/week 7 Weeks/year 52

Dated August 29, 2007