

# EMISSION SOURCES - EMISSIONS CAPS AND INDIVIDUAL EMISSION LIMITATIONS

Flexible Permit Number 5631

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. **(9/05)**

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
27-14	Internal Floating Roof Tank	VOC		
27-15	Internal Floating Roof Tank	VOC		
80-7	Internal Floating Roof Tank	VOC		
80-10	Internal Floating Roof Tank	VOC		
80-12	Internal Floating Roof Tank	VOC		
80-43	Internal Floating Roof Tank	VOC		
80-44	Internal Floating Roof Tank	VOC		
80-45	Internal Floating Roof Tank	VOC		
80-46	Internal Floating Roof Tank	VOC		
100-47	Internal Floating Roof Tank	VOC		
100-48	Internal Floating Roof Tank	VOC		
100-49	Internal Floating Roof Tank	VOC		
100-54	Internal Floating Roof Tank	VOC		
100-55	Internal Floating Roof Tank	VOC		
100-56	Internal Floating Roof Tank	VOC		
100-57	Internal Floating Roof Tank	VOC		
100-58	Internal Floating Roof Tank	VOC		
100-59	Internal Floating Roof Tank	VOC		
150-9	Internal Floating Roof Tank	VOC		
150-40	Internal Floating Roof Tank	VOC		
150-41	Internal Floating Roof Tank	VOC		
150-42	Internal Floating Roof Tank	VOC		
200-8	Internal Floating Roof Tank	VOC		
200-11	Internal Floating Roof Tank	VOC		
200-51	Internal Floating Roof Tank	VOC		
200-53	Internal Floating Roof Tank	VOC		
250-50	Internal Floating Roof Tank	VOC		
250-52	Internal Floating Roof Tank	VOC		
260-5	Internal Floating Roof Tank	VOC		

## EMISSION SOURCES - EMISSIONS CAPS AND INDIVIDUAL EMISSION LIMITATIONS

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
260-6	Internal Floating Roof Tank	VOC		
300-1	Internal Floating Roof Tank	VOC		
300-2	Internal Floating Roof Tank	VOC		
300-3	Internal Floating Roof Tank	VOC		
300-4	Internal Floating Roof Tank	VOC		
300-21	Internal Floating Roof Tank	VOC		
300-22	Internal Floating Roof Tank	VOC		
C80-3	Internal Floating Roof Tank	VOC		
C80-4	Internal Floating Roof Tank	VOC		
LD-111	Internal Floating Roof Tank	VOC		
LD-112	Internal Floating Roof Tank	VOC		
LD-113	Internal Floating Roof Tank	VOC		
LD-114	Internal Floating Roof Tank	VOC		
TH-501	Internal Floating Roof Tank	VOC		
TH-502	Internal Floating Roof Tank	VOC		
C30-10	Fixed-Roof Tank	VOC		
C80-1	Fixed-Roof Tank	VOC		
C80-2	Fixed-Roof Tank	VOC		
C30-13	Fixed-Roof Tank	VOC		
LD-115	Fixed-Roof Tank	VOC		
LD-116	Fixed-Roof Tank	VOC		
FUG 100	100 Manifold Fugitives (4)	VOC		
FUG 300	E Manifold Fugitives (4)	VOC		
FUG 500	500 Manifold Fugitives (4)	VOC		
FUG C	C Manifold Fugitives (4)	VOC		
FUG D	D Manifold Fugitives (4)	VOC		
SD-1	Ship Dock 1 Fugitives (4)	VOC		
BD-B	Barge Dock B Fugitives (4)	VOC		
TR-1	Truck Loading Rack 1	VOC		
MLF-1	Marine Loading Flare	VOC		
500	Allison Gas Turbine	VOC		
E-1	Engine	VOC		
E-2	Engine	VOC		
H-1	Heater	VOC		
	<b>Emission Cap</b>	<b>VOC</b>	<b>507.61</b>	<b>257.28</b>

## EMISSION SOURCES - EMISSIONS CAPS AND INDIVIDUAL EMISSION LIMITATIONS

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
27-14	Internal Floating Roof Tank	BZ		
27-15	Internal Floating Roof Tank	BZ		
80-7	Internal Floating Roof Tank	BZ		
80-10	Internal Floating Roof Tank	BZ		
80-12	Internal Floating Roof Tank	BZ		
80-43	Internal Floating Roof Tank	BZ		
80-44	Internal Floating Roof Tank	BZ		
80-45	Internal Floating Roof Tank	BZ		
80-46	Internal Floating Roof Tank	BZ		
100-47	Internal Floating Roof Tank	BZ		
100-48	Internal Floating Roof Tank	BZ		
100-49	Internal Floating Roof Tank	BZ		
100-54	Internal Floating Roof Tank	BZ		
100-55	Internal Floating Roof Tank	BZ		
100-56	Internal Floating Roof Tank	BZ		
100-57	Internal Floating Roof Tank	BZ		
100-58	Internal Floating Roof Tank	BZ		
100-59	Internal Floating Roof Tank	BZ		
150-9	Internal Floating Roof Tank	BZ		
150-40	Internal Floating Roof Tank	BZ		
150-41	Internal Floating Roof Tank	BZ		
150-42	Internal Floating Roof Tank	BZ		
200-8	Internal Floating Roof Tank	BZ		
200-11	Internal Floating Roof Tank	BZ		
200-51	Internal Floating Roof Tank	BZ		
200-53	Internal Floating Roof Tank	BZ		
250-50	Internal Floating Roof Tank	BZ		
250-52	Internal Floating Roof Tank	BZ		
260-5	Internal Floating Roof Tank	BZ		
260-6	Internal Floating Roof Tank	BZ		
300-1	Internal Floating Roof Tank	BZ		
300-2	Internal Floating Roof Tank	BZ		
300-3	Internal Floating Roof Tank	BZ		
300-4	Internal Floating Roof Tank	BZ		
300-21	Internal Floating Roof Tank	BZ		
300-22	Internal Floating Roof Tank	BZ		

## EMISSION SOURCES - EMISSIONS CAPS AND INDIVIDUAL EMISSION LIMITATIONS

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
C80-3	Internal Floating Roof Tank	BZ		
C80-4	Internal Floating Roof Tank	BZ		
LD-111	Internal Floating Roof Tank	BZ		
LD-112	Internal Floating Roof Tank	BZ		
LD-113	Internal Floating Roof Tank	BZ		
LD-114	Internal Floating Roof Tank	BZ		
TH-501	Internal Floating Roof Tank	BZ		
TH-502	Internal Floating Roof Tank	BZ		
FUG 100	100 Manifold Fugitives (4)	BZ		
FUG 500	500 Manifold Fugitives (4)	BZ		
FUG C	C Manifold Fugitives (4)	BZ		
FUG D	D Manifold Fugitives (4)	BZ		
FUG E	E Manifold Fugitives (4)	BZ		
SD-1	Ship Dock 1 Fugitives (4)	BZ		
BD-B	Barge Dock B Fugitives (4)	BZ		
TR-1	Truck Loading Rack 1	BZ		
MLF-1	Marine Loading Flare	BZ		
	<b>Emission Cap</b>	<b>BZ</b>	<b>49.33</b>	<b>10.39</b>
MLF-1	Marine Loading Flare	NO <sub>x</sub> , CO		
500	Allison Gas Turbine	NO <sub>x</sub> , CO		
E-1	Engine	NO <sub>x</sub> , CO		
E-2	Engine	NO <sub>x</sub> , CO		
H-1	Heater	NO <sub>x</sub> , CO		
	<b>Emission Cap</b>	<b>NO<sub>x</sub></b>	<b>23.23</b>	<b>72.49</b>
	<b>Emission Cap</b>	<b>CO</b>	<b>24.85</b>	<b>45.88</b>
500	Allison Gas Turbine	PM, SO <sub>2</sub>		
E-1	Engine	PM, SO <sub>2</sub>		
E-2	Engine	PM, SO <sub>2</sub>		
H-1	Heater	PM, SO <sub>2</sub>		

## EMISSION SOURCES - EMISSIONS CAPS AND INDIVIDUAL EMISSION LIMITATIONS

	<b>Emission Cap</b>	<b>PM</b>	<b>0.36</b>	<b>1.58</b>
	<b>Emission Cap</b>	<b>SO<sub>2</sub></b>	<b>0.04</b>	<b>0.19</b>
<b><u>Boilers and Turbines</u></b>				
S-4	Boiler	VOC	0.14	0.61
		NO <sub>x</sub>	15.45	67.67
		CO	4.01	17.55
		PM	0.50	2.19
		SO <sub>2</sub>	0.06	0.26
S-7	IBW Gas-Fired Boiler 73.4 MMBtu	VOC	0.32	1.42
		NO <sub>x</sub>	3.67	16.08
		CO	2.79	12.22
		PM	0.37	1.61
		SO <sub>2</sub>	0.04	0.19
S-8	IBW Gas-Fired Boiler 73.4 MMBtu	VOC	0.32	1.42
		NO <sub>x</sub>	3.67	16.08
		CO	2.79	12.22
		PM	0.37	1.61
		SO <sub>2</sub>	0.04	0.19

- (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  
 BZ - benzene  
 NO<sub>x</sub> - total oxides of nitrogen  
 CO - carbon monoxide

EMISSION SOURCES - EMISSIONS CAPS AND INDIVIDUAL EMISSION LIMITATIONS

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.

SO<sub>2</sub> - sulfur dioxide

- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

- \* 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 \_\_\_\_\_