Permit No. 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.

Emission	Source		Air Contaminant	Emission Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr TPY	
Tank Farm				
300-1, 300-2, 300-3, 300-4, 80-7, 300-21, 3 C80-1, C80-2, B30-9, B30-10 B30-12, and C	C80-3, C80-4, , B30-11,		VOC BZ	75.00 2.53
300-1	Tank		VOC BZ	8.30 0.35
300-2	Tank		VOC BZ	4.81 0.21
300-3	Tank		VOC BZ	8.30 0.35
300-4	Tank		VOC BZ	8.30 0.35
80-7	Tank		VOC BZ	3.52 0.15
300-21	Tank		VOC BZ	7.35 0.31
300-22	Tank		VOC BZ	7.35 0.31
C80-1	Tank		VOC	25.19

Emission Source		mission Rates *		
Point No. (1) Name	e (2) Name (3)	lb/hr TPY		
C80-2	Tank	VOC	25.19	
C80-3	Tank	VOC BZ	4.34 0.19	
C80-4	Tank	VOC BZ	4.34 0.19	
B30-9	Tank	VOC	18.80	
B30-10	Tank	VOC	18.80	
B30-11	Tank	VOC BZ	3.18 0.14	
B30-12	Tank	VOC BZ	3.18 0.14	
C30-13	Tank	VOC	18.80	
150-40, 150-41, 150-42, 80-43, 80-44, 80-45, 80-46, 27-14, and 27-15	Tanks ***	VOC BZ		22.85 0.76
150-40	Tank	VOC BZ	2.29 0.12	
150-41	Tank	VOC BZ	2.29 0.12	
150-42	Tank	VOC BZ	2.29 0.12	
80-43	Tank	VOC	2.27	

Emission S Point No. (1)	Source Air Contaminant Name (2) Name (3)	Emission Rates * Ib/hr TPY		
1 OHIL 140. (1)	Traine (2)	BZ	0.15	
80-44	Tank	VOC BZ	2.27 0.15	
80-45	Tank	VOC BZ	2.27 0.15	
80-46	Tank	VOC BZ	2.27 0.15	
27-14	Tank	VOC BZ	1.60 0.10	
27-15	Tank	VOC BZ	1.60 0.10	
100-47	Tank	VOC BZ	2.12 0.13	2.66 0.09
100-48	Tank	VOC BZ	2.12 0.13	2.66 0.09
100-49	Tank	VOC BZ	2.12 0.13	2.66 0.09
80-12	Tank	VOC BZ	2.22 0.15	2.48 0.08
FUG 100	100 Manifold Fugitives (4)	VOC BZ	0.28 0.03	1.23 0.12
FUG B	B Manifold Fugitives (4)	VOC BZ	0.05 0.005	0.24 0.02
FUG C	C Manifold Fugitives (4)) VOC	0.16	0.69

Emission	Source	Air Contaminant	Emission Ra	ates *		
Point No. (1)	Name (2)	Name (3)	lb/hr 7	ΓΡΥ		
			E	3Z	0.02	0.07
FUG D	D N	Manifold Fugitives (4)		/OC	0.23	1.00
			E	3Z	0.02	0.10
Boilers and	<u>Turbines</u>					
S-1	Boi	ler	\	/OC	0.10	0.40
			N	1O×	4.00	17.30
				CO	1.00	4.30
			F	PM	0.10	0.60
			5	SO_2	0.02	0.07

AIR CONTAMINANTS DATA

S-4 Boiler	Emission Source Point No. (1) Name	Air Contaminant e (2) Name (3)	Emission Rates * Ib/hr TPY		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	S-4	Boiler			
S-7 IBW Gas-Fired Boiler VOC 0.32 1.42 73.4 MMBtu NO _x 3.67 16.08 CO 2.79 12.22 PM 0.37 1.61 SO ₂ 0.04 0.19 S-8 IBW Gas-Fired Boiler VOC 0.32 1.42 73.4 MMBtu NO _x 3.67 16.08 CO 2.79 12.22 PM 0.37 1.61 SO ₂ 0.04 0.19 S-8 IBW Gas-Fired Boiler VOC 0.32 1.42 73.4 MMBtu NO _x 3.67 16.08 CO 2.79 12.22 PM 0.37 1.61 SO ₂ 0.04 0.19 500 Gas Turbine VOC 0.22 0.9 (Allison 501-KB) NO _x 8.5 35.0 CO 6.2 27.16 PM 0.18 0.80 SO ₂ 0.02 0.1 Loading Flares S-5 Flare VOC 11.70 S-6 Flare VOC 3.00 8.20 BZ 0.13 0.28 NO _x 0.20 0.50			CO	4.01	17.55
S-7 IBW Gas-Fired Boiler VOC 0.32 1.42 73.4 MMBtu NOx 3.67 16.08 CO 2.79 12.22 PM 0.37 1.61 SO2 0.04 0.19 S-8 IBW Gas-Fired Boiler VOC 0.32 1.42 73.4 MMBtu NOx 3.67 16.08 CO 2.79 12.22 PM 0.37 1.61 SO2 0.04 0.19 500 Gas Turbine VOC 0.22 0.9 PM 0.37 1.61 SO2 0.04 0.19 500 Gas Turbine VOC 0.22 0.9 (Allison 501-KB) NOx 8.5 35.0 CO 6.2 27.16 PM 0.18 0.80 SO2 0.02 0.1 Loading Flares S-5 Flare VOC 11.70 S-6 Flare VOC 3.00 8.20 BZ 0.13 0.28 NOx 0.20 0.50					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			$5O_2$	0.06	0.26
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	S-7				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		73.4 MMBtu			
S-8 IBW Gas-Fired Boiler VOC 0.32 1.42 73.4 MMBtu NO _x 3.67 16.08 CO 2.79 12.22 PM 0.37 1.61 SO ₂ 0.04 0.19					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	S-8	IBW Gas-Fired Boiler	VOC	0.32	1.42
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			NO_x	3.67	16.08
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	500				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		(AIII2011 201-VD)			
Loading Flares S-5 Flare VOC 11.70 S-6 Flare VOC 3.00 8.20 BZ 0.13 0.28 NOx 0.20 0.50			PM	0.18	0.80
S-5 Flare VOC 11.70 S-6 Flare VOC 3.00 8.20 BZ 0.13 0.28 NO _x 0.20 0.50			SO_2	0.02	0.1
S-5 Flare VOC 11.70 S-6 Flare VOC 3.00 8.20 BZ 0.13 0.28 NO _x 0.20 0.50	l oading Elares				
S-6 Flare VOC 3.00 8.20 BZ 0.13 0.28 NO _x 0.20 0.50	Loading Flares				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	S-5	Flare	VOC		11.70
NO_x 0.20 0.50	S-6	Flare			
			NO _x CO	0.20 1.50	0.50 4.20

Marine Loading

MLF-1	Flare	VOC BZ NO _x CO	90.0 2.0 11.4 45.4	36.00 1.22 4.06 16.13
SD-1, SD-4, SD-5, BD-B and BD-D	Dock Fugitives (4) ****	VOC BZ		103.00 3.48
SD-1	Ship Dock 1 Fugitives (4)	VOC BZ	823.20 11.64	
SD-4	Ship Dock 4 Fugitives (4)	VOC BZ	823.20 11.64	
SD-5	Ship Dock 5 Fugitives (4)	VOC BZ	823.20 11.64	
BD-B	Barge Dock B Fugitives (4)	VOC BZ	191.84 4.56	
BD-D	Barge Dock D Fugitives (4)	VOC	212.20	

⁽¹⁾ Emission point identification - either specific equipment designation or emission point number from plot plan.

NO_x - total oxides of nitrogen

CO - carbon monoxide

PM - particulate matter

SO₂ - sulfur dioxide

BZ - benzene

⁽²⁾ Specific point source name. For fugitive sources use area name or fugitive source name.

⁽³⁾ VOC - volatile organic compounds as defined in General Rule 101.1

- (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_

** The combined annual emission rate for these tanks shall not exceed 75 TPY of VOC and 2.53 TPY of BZ.

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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

***	The combined annual emission rate for these tanks shall not exceed 22.85 TPY of VOC and 0.76 TPY of BZ.
***	The combined annual emission rate for the loading docks shall not exceed 103.0 TPY VOC and 3.48 TPY of BZ.

Dated ____