

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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.

## AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
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	
100-50	Internal Floating Roof Tank		VOC	
100-51	Internal Floating Roof Tank		VOC	
100-52	Internal Floating Roof Tank		VOC	
100-53	Internal Floating Roof Tank		VOC	
100-58	Internal Floating Roof Tank		VOC	
100-59	Internal Floating Roof Tank		VOC	
100-60	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	
150-54	Internal Floating Roof Tank		VOC	
150-55	Internal Floating Roof Tank		VOC	
150-56	Internal Floating Roof Tank		VOC	
150-57	Internal Floating Roof Tank		VOC	
200-8	Internal Floating Roof Tank		VOC	

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
200-11	Internal Floating Roof Tank		VOC	
260-5	Internal Floating Roof Tank		VOC	
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	
B30-11	Internal Floating Roof Tank		VOC	
B30-12	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	
B30-9	Fixed-Roof Tank	VOC		
B30-10	Fixed-Roof Tank	VOC		
C30-11	Fixed-Roof Tank	VOC		
C80-1	Fixed-Roof Tank	VOC		
C80-2	Fixed-Roof Tank	VOC		
LD-115	Fixed-Roof Tank	VOC		
LD-116	Fixed-Roof Tank	VOC		
FUG 100	100 Manifold Fugitives	VOC		
FUG 500	500 Manifold Fugitives	VOC		
FUG B	B Manifold Fugitives	VOC		
FUG C	C Manifold Fugitives	VOC		
FUG D	D Manifold Fugitives	VOC		
FUG E	E Manifold Fugitives	VOC		
SD-1	Ship Dock 1 Fugitives	VOC		
BD-B	Barge Dock B Fugitives	VOC		
TR-1	Truck Loading Rack	VOC		
MLF-1	Marine Loading Flare	VOC		
500	Allison Gas Turbine	VOC		
E-1	Engine	VOC		

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
E-2	Engine	VOC		
H-1	Heater	VOC		
	<b>Emission Cap</b>	<b>VOC</b>	<b>606.8</b>	<b>267.6</b>
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	
100-50	Internal Floating Roof Tank		BZ	
100-51	Internal Floating Roof Tank		BZ	
100-52	Internal Floating Roof Tank		BZ	
100-53	Internal Floating Roof Tank		BZ	
100-58	Internal Floating Roof Tank		BZ	
100-59	Internal Floating Roof Tank		BZ	
100-60	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	
150-54	Internal Floating Roof Tank		BZ	
150-55	Internal Floating Roof Tank		BZ	
150-56	Internal Floating Roof Tank		BZ	
150-57	Internal Floating Roof Tank		BZ	
200-8	Internal Floating Roof Tank		BZ	
200-11	Internal Floating Roof Tank		BZ	
260-5	Internal Floating Roof Tank		BZ	
260-6	Internal Floating Roof Tank		BZ	

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Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
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	
B30-11	Internal Floating Roof Tank		BZ	
B30-12	Internal Floating Roof Tank		BZ	
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	BZ		
FUG 500	500 Manifold Fugitives	BZ		
FUG B	B Manifold Fugitives	BZ		
FUG C	C Manifold Fugitives	BZ		
FUG D	D Manifold Fugitives	BZ		
FUG E	E Manifold Fugitives	BZ		
SD-1	Ship Dock 1 Fugitives	BZ		
BD-B	Barge Dock B Fugitives	BZ		
TR-1	Truck Loading Rack	BZ		
MLF-1	Marine Loading Flare	BZ		
	<b>Emission Cap</b>	<b>BZ</b>	<b>51.17</b>	<b>10.77</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		

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
	<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>		
	<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-1	Boiler	VOC	0.10	0.40
		NO <sub>x</sub>	4.00	17.30
		CO	1.00	4.30
		PM	0.10	0.60
		SO <sub>2</sub>	0.02	0.07
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	VOC	0.32	1.42
	73.4 MMBtu	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	VOC	0.32	1.42
	73.4 MMBtu	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 General Rule 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
PM - particulate matter  
SO<sub>2</sub> - sulfur dioxide  
BZ - benzene

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#### EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

\* 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 \_\_\_\_\_