

# ATTACHMENT A.1

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

Permit No. 2193

This table lists the maximum allowable emission rates (short term) 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)	Emission Rates	
			lb/hr	TPY
3-8	ST 3-8	VOC	80.09	
3-9	ST 3-9	VOC	80.09	
5-1	ST 5-1	VOC	120.13	
5-2	ST 5-2	VOC	120.13	
5-3	ST 5-3	VOC	120.13	
5-4	ST 5-4	VOC	120.13	
5-5	ST 5-5	VOC	120.13	
5-6	ST 5-6	VOC	120.13	
5-7	ST 5-7	VOC	120.13	
5-8	ST 5-8	VOC	120.13	
5-9	ST 5-9	VOC	120.13	
5-10	ST 5-10	VOC	120.13	

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
5-11	ST 5-11	VOC	120.13	
5-12	ST 5-12	VOC	120.13	
5-13	ST 5-13	VOC	120.13	
5-14	ST 5-14	VOC	120.13	
5-15	ST 5-15	VOC	120.13	
5-16	ST 5-16	VOC	120.13	
10-1	ST 10-1	VOC	120.13	
10-2	ST 10-2	VOC	120.13	
10-3	ST 10-3	VOC	120.13	
10-4	ST 10-4	VOC	120.13	
10-5	ST 10-5	VOC	120.13	
10-6	ST 10-6	VOC	120.13	
10-9	ST 10-9	VOC	120.13	
10-10	ST 10-10	VOC	120.13	
10-11	ST 10-11	VOC	120.13	
10-12	ST 10-12	VOC	120.13	
10-13	ST 10-13	VOC	120.13	
10-14	ST 10-14	VOC	120.13	
10-15	ST 10-15	VOC	120.13	
10-16	ST 10-16	VOC	120.13	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
10-17	ST 10-17	VOC	120.13	
10-18	ST 10-18	VOC	120.13	
10-19	ST 10-19	VOC	120.13	
10-20	ST 10-20	VOC	120.13	
12-1	ST 12-1	VOC	140.15	
12-3	ST 12-3	VOC	140.15	
12-4	ST 12-4	VOC	140.15	
12-5	ST 12-5	VOC	140.15	
12-6	ST 12-6	VOC	140.15	
12-7	ST 12-7	VOC	140.15	
12-8	ST 12-8	VOC	140.15	
12-9	ST 12-9	VOC	140.15	
12-10	ST 12-10	VOC	140.15	
12-11	ST 12-11	VOC	140.15	
12-12	ST 12-12	VOC	140.15	
12-13	ST 12-13	VOC	140.15	
12-14	ST 12-14	VOC	140.15	
12-15	ST 12-15	VOC	140.15	

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
12-16	ST 12-16	VOC	140.15	
12-17	ST 12-17	VOC	140.15	
12-18	ST 12-18	VOC	140.15	
12-19	ST 12-19	VOC	140.15	
12-20	ST 12-20	VOC	140.15	
12-21	ST 12-21	VOC	140.15	
12-22	ST 12-22	VOC	140.15	
12-23	ST 12-23	VOC	140.15	
12-24	ST 12-24	VOC	140.15	
12-25	ST 12-25	VOC	140.15	
12-26	ST 12-26	VOC	140.15	
12-27	ST 12-27	VOC	140.15	
12-28	ST 12-28	VOC	140.15	
12-29	ST 12-29	VOC	140.15	
12-30	ST 12-30	VOC	140.15	
15-1	ST 15-1	VOC	160.17	
25-1	ST 25-1	VOC	140.15	
25-2	ST 25-2	VOC	140.15	

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
25-3	ST 25-3	VOC	140.15	
25-4	ST 25-4	VOC	140.15	
25-5	ST 25-5	VOC	140.15	
25-6	ST 25-6	VOC	140.15	
25-7	ST 25-7	VOC	140.15	
25-8	ST 25-8	VOC	140.15	
25-9	ST 25-9	VOC	140.15	
25-10	ST 25-10	VOC	140.15	
25-11	ST 25-11	VOC	140.15	
25-12	ST 25-12	VOC	140.15	
25-13	ST 25-13	VOC	140.15	
25-14	ST 25-14	VOC	140.15	
25-15	ST 25-15	VOC	140.15	
25-16	ST 25-16	VOC	140.15	
25-17	ST 25-17	VOC	140.15	
25-18	ST 25-18	VOC	140.15	
25-19	ST 25-19	VOC	140.15	

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
25-20	ST 25-20	VOC	140.15	
25-21	ST 25-21	VOC	120.13	
25-22	ST 25-22	VOC	120.13	
25-23	ST 25-23	VOC	120.13	
25-24	ST 25-24	VOC	120.13	
25-25	ST 25-25	VOC	120.13	
25-26	ST 25-26	VOC	120.13	
25-27	ST 25-27	VOC	120.13	
25-28	ST 25-28	VOC	120.13	
25-29	ST 25-29	VOC	120.13	
25-30	ST 25-30	VOC	120.13	
36-1	ST 36-1	VOC	200.21	
40-1	ST 40-1	VOC	120.13	
55-1	ST 55-1	VOC	380.4	
55-2	ST 55-2	VOC	600.64	
80-9	ST 80-9	VOC	200.21	
80-10	ST 80-10	VOC	200.21	
80-11	ST 80-11	VOC	200.21	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
80-12	ST 80-12	VOC	200.21	
80-13	ST 80-13	VOC	200.21	
80-14	ST 80-14	VOC	200.21	
80-15	ST 80-15	VOC	200.21	
80-16	ST 80-16	VOC	200.21	
80-17	ST 80-17	VOC	200.21	
80-18	ST 80-18	VOC	200.21	
80-19	ST 80-19	VOC	200.21	
80-20	ST 80-20	VOC	200.21	
80-21	ST 80-21	VOC	380.40	
80-22	ST 80-22	VOC	380.40	
80-23	ST 80-23	VOC	380.40	
80-24	ST 80-24	VOC	380.40	
80-25	ST 80-25	VOC	380.40	
80-26	ST 80-26	VOC	380.40	
80-27	ST 80-27	VOC	380.40	
80-28	ST 80-28	VOC	380.40	

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
100-1	ST 100-1	VOC	23.44	
100-2	ST 100-2	VOC	23.44	
100-3	ST 100-3	VOC	23.44	
100-4	ST 100-4	VOC	23.44	
100-7	ST100-7	VOC	2.59	
100-8	ST100-8	VOC	2.59	
100-9	ST100-9	VOC	2.59	
118-1	ST 118-1	VOC	23.44	
118-2	ST 118-2	VOC	23.44	
144-1	ST 144-1	VOC	23.44	
187-1	ST 187-1	VOC	23.44	
1	ST 1	VOC	200.21	
7	ST 7	VOC	200.21	
10	ST 10	VOC	200.21	
22	ST 22	VOC	140.15	
23	ST 23	VOC	200.21	
25	ST 25	VOC	140.15	
28	ST 28	VOC	140.15	
31	ST 31	VOC	140.15	



## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
32	ST 32	VOC	200.21	
33	ST 33	VOC	200.21	
36	ST 36	VOC	200.21	
37	ST 37	VOC	120.13	
40	ST 40	VOC	80.09	
41	ST 41	VOC	80.09	
42	ST 42	VOC	80.09	
43	ST 43	VOC	80.09	
81	ST 81	VOC	120.13	
TR-1	Truck Rack No. 1 (9 Truck Spots)	VOC	170.37 (18.93 lb/hr/Spot)	
TR-2	Truck Rack No. 2 (20 Truck Spots)	VOC	378.6 (18.93 lb/hr/Spot)	
TR-3	Truck Rack No. 3 (3 Truck Spots)	VOC	56.79 (18.93 lb/hr/Spot)	
TR-4	Truck Rack No. 4 (14 Truck Spots)	VOC	265.02 (18.93 lb/hr/Spot)	
TR-5	Truck Rack No. 5 (1 truck Spot)	VOC	18.93	
TR-6	Truck Rack No. 6	VOC	18.93	

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
	(1 truck Spot)			
TR-7	Truck Rack No. 7 (3 Truck Spots)	VOC	56.79 (18.93 lb/hr/Spot)	
TR-13	Truck Rack No. 13 (7 Truck Spots)	VOC	132.51 (18.93 lb/hr/Spot)	
TR-10	Truck Rack No. 10 (43 Truck Spots)	VOC	813.99 (18.93 lb/hr/Spot)	
TR-11	Truck Rack No. 11 (15 Truck Spots)	VOC	283.95 (18.93 lb/hr/Spot)	
TR-12	Truck Rack No. 12 (9 Truck Spots)	VOC	170.37 (18.93 lb/hr/Spot)	
W-RCR	West Railcar Rack (34 Rail Spots)	VOC	643.62 (18.93 lb/hr/Spot)	
C-RCR	Central Railcar Rack (35 Rail Spots)	VOC	662.55 (18.93 lb/hr/Spot)	
E-RCR	East Railcar Rack (24 Rail Spots)	VOC	454.32 (18.93 lb/hr/Spot)	
SHPDK-1**	Ship Dock No. 1	VOC	113.60	
SHPDK-2**	Ship Dock No. 2	VOC	113.60	
SHPDK-3**	Ship Dock No. 3	VOC	113.60	
BGDK-1**	Barge Dock No. 1	VOC	94.67	
BGDK-2**	Barge Dock No. 2	VOC	94.67	

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
BGDK-3**	Barge Dock No. 3	VOC	94.67	
Flare System No. 1	25.7	TR, RC, and Marine Flares VOC		
(FL-1a and FL-1b)		NO <sub>x</sub>	1.48	
		CO	12.71	
Flare System No. 2	25.7	TR, RC, and Marine Flares VOC		
(FL-2a, FL-2b, and FL-2c)		NO <sub>x</sub>	1.48	
		CO	12.71	
FUG	Fugitives (4)	VOC	39.17 (5)	
			30.08 (5)	

(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

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

(5) Fugitive emissions shall not exceed 39.17 lb/hr the first six months after this permit is issued. After that time, fugitive emissions shall not exceed 30.02 lb/hr.

\* Emission rates are based on an operating schedule of 8,760 hours/year.

\*\* These emission rates must be achieved by July 15, 1996.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

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>

Dated \_\_\_\_\_

## ATTACHMENT A.2

### EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES ANNUAL

(authorized until November 15, 1996)

Permit No. 2193

This table lists the maximum allowable emission rates (annual) 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)	Emission Rates	
			lb/hr	TPY
	Storage	VOC		499.5
	Rail and Truck Racks	VOC		231.5
	Fugitives (4)	VOC		170.0 (5) 82.3 (5)
	Flares	VOC		109.02
		NO <sub>x</sub>		6.3
		CO		53.9

- (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
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Fugitive emissions shall not exceed 170 tpy during the first six months following issuance of this permit. Within six months from the issue date of this permit, fugitive emissions shall not exceed

82.3 tpy.

\* Emission rates are based on an operating schedule of 8,760 hours/year.

Dated \_\_\_\_\_

## ATTACHMENT A.3

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES  
ANNUAL  
(effective November 15, 1996)

Permit No. 2193

This table lists the maximum allowable emission rates (annual) 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 the 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)	Emission Rates	
			lb/hr	TPY
	Storage	VOC	539	
	Rail and Truck Racks	VOC	45	
	Fugitives (4)	VOC	82.3	
	Flare System No. 1	VOC	61	
		NO <sub>x</sub>	3.5	
		CO	30.2	
	Flare System No. 2	VOC	61	
		NO <sub>x</sub>	3.5	
		CO	30.2	

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

\* Emission rates are based on an operating schedule of 8,760 hours/year.

Dated \_\_\_\_\_