

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 *	Source	Air Contaminant	<u>Emission Rates</u>
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>
3-8	ST 3-8	VOC	80.09
3-9	ST 3-9	VOC	80.09
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hr
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
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hr
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
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hr
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
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hr
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
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hr
25-28	ST 25-28	VOC	120.13
25-29	ST 25-29	VOC	120.13
25-30	ST 25-30	VOC	120.13
40-1	ST 40-1	VOC	120.13
80-9	ST 80-9	VOC	200.21
80-10	ST 80-10	VOC	200.21
80-11	ST 80-11	VOC	200.21
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hr
80-22	ST 80-22	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
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
100-10	ST100-10	VOC	2.26
100-11	ST100-11	VOC	2.26
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
7	ST 7	VOC	200.21

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hr
22	ST 22	VOC	140.15
31	ST 31	VOC	140.15
32	ST 32	VOC	200.21
33	ST 33	VOC	200.21
37	ST 37	VOC	120.13
42	ST 42	VOC	80.09
43	ST 43	VOC	80.09
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)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hr
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 (1 truck Spot)	VOC	18.93
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

- (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_x - 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 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>

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

Dated _____

ATTACHMENT A.2

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES ANNUAL

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 *	Source	Air Contaminant	<u>Emission Rates</u>
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>TPY</u>
	Storage	VOC	539
	Rail and Truck Racks	VOC	45
	Fugitives (4)	VOC	82.3
	Flare System No. 1	VOC	61
		NO _x	3.5
		CO	30.2
	Flare System No. 2	VOC	61
		NO _x	3.5
		CO	30.2

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY</u>

- (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_x - 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 _____