ATTACHMENT A.1

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

Permit Number 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
3-9	ST 3-9	VOC	80.09
3-10	ST 3-10	VOC	0.01
5-21	ST 5-21	VOC	1.57
7	ST 7	VOC	200.21
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr
10-18	ST 10-18	VOC	120.13
10-19	ST 10-19	VOC	120.13
10-20	ST 10-20	VOC	120.13
10-21	ST 10-21	VOC	0.30
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

AIR CONTAMINANTS DATA

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr
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
15-2	ST 15-2	VOC	0.70
15-3	ST 15-3	VOC	1.06

AIR CONTAMINANTS DATA

Emission	Source	Air Contaminant	Emission Rates

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

Point No. (1)	Name (2)	Name (3)	lb/hr
20-1	ST 20-1	VOC	1.57
20-2	ST 20-2	VOC	1.22
22	ST 22	VOC	140.15
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
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

AIR CONTAMINANTS DATA

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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

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
25-28	ST 25-28	VOC	120.13
25-29	ST 25-29	VOC	120.13
25-30	ST 25-30	VOC	120.13
31	ST 31	VOC	140.15
32	ST 32	VOC	200.21
37	ST 37	VOC	120.13

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr
40-1	ST 40-1	VOC	120.13

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

50-1	ST 50-1	VOC	< 0.01
50-2	ST 50-2	VOC	< 0.01
50-3	ST 50-3	VOC	1.94
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
80-22	ST 80-22	VOC	380.40

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr
90-1	ST 90-1	VOC	0.97
90-2	ST 90-2	VOC	0.97

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

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
100-5	ST 100-5	VOC	2.47
100-6	ST 100-6	VOC	2.47
100-7	ST 100-7	VOC	2.59
100-8	ST 100-8	VOC	2.59
100-9	ST 100-9	VOC	2.59
100-10	ST 100-10	VOC	2.26
100-11	ST 100-11	VOC	2.08
100-12	ST 100-12	VOC	2.08
100-13	ST 100-13	VOC	2.56
100-14	ST 100-14	VOC	2.56
100-15	ST 100-15	VOC	1.86
100-16	ST 100-16	VOC	1.86

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr
100-17	ST 100-17	VOC	1.86
100-18	ST 100-18	VOC	1.86
100-19	ST 100-19	VOC	1.86

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

100-20	ST 100-20	VOC	2.03
100-21	ST 100-21	VOC	< 0.01
100-23	ST 100-23	VOC	0.55
100-24	ST 100-24	VOC	0.55
100-25	ST 100-25	VOC	1.14
150-101	ST 150-101	VOC	2.00
150-102	ST 150-102	VOC	2.00
150-103	ST 150-103	VOC	2.00
150-104	ST 150-104	VOC	2.33
150-105	ST 150-105	VOC	2.33
150-106	ST 150-106	VOC	2.33
150-107	ST 150-107	VOC	2.33
150-108	ST 150-108	VOC	2.33
150-109	ST 150-109	VOC	2.33
150-110	ST 150-110	VOC	2.33

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr
150-111	ST 150-111	VOC	2.33
150-112	ST 150-112	VOC	2.33
150-113	ST 150-113	VOC	2.33
150-114	ST 150-114	VOC	2.33

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

150-115	ST 150-115	VOC	2.33
144-1	ST 144-1	VOC	23.44
187-1	ST 187-1	VOC	23.44
Storage Tanks	Total Hourly (lb/hr) Landing Cap	VOC	726.00 (5)
TR-1	Truck Rack No. 1 Loading Losses (9 Truck Spots) VP < 0.50 psia Uncontrolled and VP > 0.50 psia Controlled	VOC	170.37 (18.93 lb/hr/Spot)
TR-6	Truck Rack No. 6 Loading Losses (1 truck Spot) VP <0.50 psia Uncontrolled and VP >0.50 psia Controlled	VOC	18.93
TR-10	Truck Rack No. 10 Loading Losses (43 Truck Spots) VP <0.50 psia Uncontrolled and VP >0.50 psia Controlled	VOC	813.99 (18.93 lb/hr/Spot)
TR-11	Truck Rack No. 11 Loading Losses (15 Truck Spots) VP <0.50 psia Uncontrolled and VP >0.50 psia Controlled	VOC	283.95 (18.93 lb/hr/Spot)

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr
TR-12	Truck Rack No. 12 Loading Losses (9 Truck Spots) VP <0.50 psia Uncontrolled and VP >0.50 psia Controlled	VOC	170.37 (18.93 lb/hr/Spot)
TR-13	Truck Rack No. 13 Loading Losses (7 Truck Spots) VP <0.50 psia Uncontrolled and VP >0.50 psia Controlled	VOC	132.51 (18.93 lb/hr/Spot)
C-RCR	Central Railcar Rack Loading Losses (35 Rail Spots) VP <0.50 psia Uncontrolled and VP >0.50 psia Controlled	VOC	662.55 (18.93 lb/hr/Spot)
E-RCR	East Railcar Rack Loading Losses (24 Rail Spots) VP <0.50 psia Uncontrolled and VP >0.50 psia Controlled	VOC	454.32 (18.93 lb/hr/Spot)
W-RCR	West Railcar Rack Loading Losses (34 Rail Spots) VP <0.50 psia Uncontrolled and VP >0.50 psia Controlled	VOC	643.62 (18.93 lb/hr/Spot)
SHPDK-1	Ship Dock No. 1 Loading Losses VP <0.50 psia Uncontrolled	VOC	113.60
SHPDK-2	Ship Dock No. 2 Loading Losses VP <0.50 psia Uncontrolled	VOC	113.60
SHPDK-3	Ship Dock No. 3 Loading Losses VP <0.50 psia Uncontrolled	VOC	113.60

AIR CONTAMINANTS DATA

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr
BGDK-1	Barge Dock No. 1 Loading Losses VP <0.50 psia Uncontrolled	VOC	94.67
BGDK-2	Barge Dock No. 2 Loading Losses VP <0.50 psia Uncontrolled	VOC	94.67
BD3-LDFUG	Barge Dock No. 3 Loading Losses VP <0.50 psia Uncontrolled	VOC	11.34
BOILER-4	Steam Boiler No. 4 (14.70 MMBtu/hr fired duty)	CO	0.22
		NO_x	1.47
		PM_{10}	0.01
		SO_2	0.01
		VOC	0.06
Flare System No. 1 (FL-1a and FL-1b)	TR, RC, and Marine Flares	CO	12.96
		NO_x	1.51
		SO_2	0.01
		VOC	31.81
	Tank 125-1 Controlled Roof Landings	CO	15.95
		NO_x	7.99
		SO_2	< 0.01
		VOC	19.37
Flare System No. 2 (FL-2a, FL-2b, and FL-2c)	TR, RC, and Marine Flares	CO	12.96
		NO_x	1.51
		SO_2	0.0
		VOC	31.81
SUMP-1	Wastewater Sumps	VOC	5.67

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr
TK-DEGAS	Tank Degassing	VOC	124.31
		NO_x	3.43
		CO	6.85
TK-ATMDEGAS	Uncontrolled Tank Degassing	VOC	103.35
BD3-PIPEFUG	Barge Dock No. 3 Process Fugitives (4)	VOC	0.05
BIOFUG	Biodiesel Process Fugitives (4)	VOC	0.04
FUG	Process Fugitives (4)	VOC	6.51
FUG-125-1	Storage Tank No. 125-1 Process Fugitives (4)	VOC	0.09
TKFUG-ESTPLT	East Plant Fugitives	VOC	0.79
TNK-VCU-1	East Plant Roof Landing VCU	VOC	20.45
		NO_x	65.73
		CO	131.22
		SO_2	0.16
SD-4-VCU	Ship Dock No. 4 VCU (VP >0.5 psia, controlled)	VOC (6)	8.92
		Benzene	0.14
		NO_x	12.39
		CO	24.74
		SO_2	0.01
SD-4-LOADFUG	Ship Dock No. 4 Loading Fugitives	VOC (6)	89.23
		Benzene	1.36
SD-4-PIPEFUG	Ship Dock No. 4 Piping Fugitives	VOC	0.14

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES SHORT-TERM

		AIR CONTAMINANTS DATA	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr
CAMU	Corrective Action Management Unit	VOC	0.05
MSS Cap	MSS Activities	VOC (6)	27.39
		Benzene	21.56
		NO_x	1.50
		CO	54.44

(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
CO - carbon monoxide
NO_x - total oxides of nitrogen
PM_{10} - particulate matter equal to or less than 10 microns in diameter
SO_2 - sulfur dioxide
(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
(5) Hourly emissions cap covers the simultaneous re-fill emissions from IFR tanks with roofs landed as allowed by Special Condition No. 28.
(6) Benzene is included in VOC.

Dated: May 13, 2009

ATTACHMENT A.2

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES ANNUAL

Permit Number 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 * TPY **
BOILER-4	Steam Boiler No. 4 (14.7 MMBtu/hr fired duty)	CO	0.97
		NO_x	6.44
		PM_{10}	0.06
		SO_2	0.04
		VOC	0.26
Flare System No. 1 (FL-1a and FL-1b)	TR, RC, and Marine Flares	CO	30.17
		NO_x	3.52
		SO_2	0.01
		VOC	61.00
	Tank 125-1 Controlled Roof Landings	CO	7.81
		NO_x	3.91
		SO_2	0.02
		VOC	0.77
Flare System No. 2 (FL-2a, F-2b, and FL2-c)	TR, RC, and Marine Flares	CO	30.17
		NO_x	3.52
		SO_2	0.01
		VOC	61.00
	Barge and Ship Emission Losses Uncontrolled	VOC	5.62
	Rail and Truck Racks Emission Losses Uncontrolled	VOC	45.00
BD3-LDFUG	Barge Dock No. 3 Loading Losses VP <0.50 psia	VOC	2.32

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES ANNUAL

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates TPY **
	Uncontrolled		
Sump-1	Wastewater Sumps	VOC	2.85
TK-DEGAS	Tank Degassing	VOC (5)	
		NO_x	1.01
		CO	2.03
TK-ATMDEGAS	Uncontrolled Tank Degassing	VOC (5)	
Storage Tanks	Total Annual (TPY) Cap	VOC	481.57 (5)
Storage Tanks	Total Annual (TPY) Cap	VOC	413.00 (5), (7)
BD3-PIPEFUG	Barge Dock No. 3 Process Fugitives (4)	VOC	0.22
BIOFUG	Biodiesel Process Fugitives (4)	VOC	0.17
FUG	Process Fugitives (4)	VOC	28.49
FUG-125-1	Storage Tank No. 125-1 Process Fugitives (4)	VOC	0.41
TKFUG-ESTPLT	East Plant Fugitives	VOC	3.44
TNK-VCU-1	East Plant Roof Landing VCU	VOC	10.48
		NO_x	22.56
		CO	45.03
		SO_2	0.04

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES ANNUAL

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates TPY **
SD-4-VCU	Ship Dock No. 4 VCU	VOC (6)	6.01
		Benzene	0.05
		NO_x	8.94
		CO	17.84
		SO_2	0.01
SD-4-LOADFUG	Ship Dock No. 4 Loading Fugitives	VOC (6)	61.30
		Benzene	0.59
SD-4-PIPEFUG	Ship Dock No. 4 Piping Fugitives	VOC	0.60
CAMU	Corrective Action Management Unit	VOC	0.11
MSS Cap	MSS Activities	VOC (6)	0.57
		Benzene	0.45
		NO_x	0.03
		CO	0.10

(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) CO - carbon monoxide
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM_{10} - particulate matter equal to or less than 10 microns in diameter
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1
(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
(5) Annual emissions cap for tanks covers routine emissions, tank roof landings, and de-gassing.
(6) Benzene is included in VOC.
(7) Effective upon start of operation of any of the twelve (12) East Plant Expansion Project Tanks (Tank Nos. 150-104 through 150-115).

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day_24_ Days/week_7_ Weeks/year_52_

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated: May 13, 2009