EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
SHORT-TERM

Permit Number 1078

Attachment A.1

These attachments (A.1 and A.2) list 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 Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
ST 8-1	Tank 8-1	VOC	58.04
ST 10-1	Tank 10-1	VOC	58.04
ST 10-2	Tank 10-2	VOC	58.04
ST 12-1	Tank 12-1	VOC	58.04
ST 12-2	Tank 12-2	VOC	58.04
ST 12-3	Tank 12-3	VOC	58.04
ST 12-4	Tank 12-4	VOC	58.04
ST 12-5	Tank 12-5	VOC	58.04
ST 12-6	Tank 12-6	VOC	58.04
ST 12-7	Tank 12-7	VOC	58.04
ST 12-8	Tank 12-8	VOC	58.04
ST 12-9	Tank 12-9	VOC	58.04
ST 12-10	Tank 12-10	VOC	58.04
ST 12-11	Tank 12-11	VOC	58.04

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
ST 12-12	Tank 12-12	VOC	58.04
ST 12-13	Tank 12-13	VOC	58.04
ST 12-14	Tank 12-14	VOC	58.04
ST 12-15	Tank 12-15	VOC	58.04
ST 12-16	Tank 12-16	VOC	58.04
ST 12-17	Tank 12-17	VOC	58.04
ST 12-18	Tank 12-18	VOC	58.04
ST 12-19	Tank 12-19	VOC	58.04
ST 12-20	Tank 12-20	VOC	58.04
ST 12-21	Tank 12-21	VOC	58.04
ST 12-22	Tank 12-22	VOC	58.04
ST 12-23	Tank 12-23	VOC	58.04
ST 12-24	Tank 12-24	VOC	58.04
ST 12-25	Tank 12-25	VOC	58.04
ST 12-26	Tank 12-26	VOC	100.11
ST 12-27	Tank 12-27	VOC	58.04

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
ST 12-28	Tank 12-28	VOC	58.04
ST 12-29	Tank 12-29	VOC	58.04
ST 12-30	Tank 12-30	VOC	58.04
ST 12-31	Tank 12-31	VOC	58.04
ST 12-32	Tank 12-32	VOC	58.04
ST 12-33	Tank 12-33	VOC	58.04
ST 12-34	Tank 12-34	VOC	58.04
ST 12-35	Tank 12-35	VOC	58.04
ST 12-36	Tank 12-36	VOC	58.04
ST 12-37	Tank 12-37	VOC	58.04
ST 12-38	Tank 12-38	VOC	58.04
ST 12-39	Tank 12-39	VOC	58.04
ST 12-40	Tank 12-40	VOC	58.04
ST 12-41	Tank 12-41	VOC	58.04
ST 12-42	Tank 12-42	VOC	58.04
ST 12-43	Tank 12-43	VOC	58.04

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
ST 12-44	Tank 12-44	VOC	58.04
ST 12-45	Tank 12-45	VOC	58.04
ST 12-46	Tank 12-46	VOC	58.04
ST 12-47	Tank 12-47	VOC	58.04
ST 12-48	Tank 12-48	VOC	58.04
ST 12-49	Tank 12-49	VOC	58.04
ST 12-50	Tank 12-50	VOC	58.04
ST 12-51	Tank 12-51	VOC	58.04
ST 15-1	Tank 15-1	VOC	58.04
ST 15-2	Tank 15-2	VOC	58.04
ST 15-3	Tank 15-3	VOC	58.04
ST 15-4	Tank 15-4	VOC	58.04
ST 15-5	Tank 15-5	VOC	58.04
ST 15-6	Tank 15-6	VOC	58.04
ST 15-7	Tank 15-7	VOC	58.04
ST 25-5	Tank 25-5	VOC	116.08

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
SHORT-TERM

AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
ST 25-6	Tank 25-6	VOC	116.08
ST 30-1	Tank 30-1	VOC	116.08
ST 30-2	Tank 30-2	VOC	116.08
ST 30-3	Tank 30-3	VOC	116.08
ST 30-4	Tank 30-4	VOC	116.08
ST 30-5	Tank 30-5	VOC	116.08
ST 30-6	Tank 30-6	VOC	116.08
ST 30-7	Tank 30-7	VOC	116.08
ST 30-8	Tank 30-8	VOC	116.08
ST 30-9	Tank 30-9	VOC	116.08
ST 33-1	Tank 33-1	VOC	116.08
ST 33-2	Tank 33-2	VOC	116.08
ST 35-4	Tank 35-4	VOC	116.08
ST 35-5	Tank 35-5	VOC	116.08
ST 35-6	Tank 35-6	VOC	116.08
ST 35-7	Tank 35-7	VOC	116.08

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
ST 35-8	Tank 35-8	VOC	116.08
ST 35-9	Tank 35-9	VOC	116.08
ST 35-10	Tank 35-10	VOC	116.08
ST 35-11	Tank 35-11	VOC	116.08
ST 35-13	Tank 35-13	VOC	116.08
ST 35-14	Tank 35-14	VOC	116.08
ST 35-15	Tank 35-15	VOC	116.08
ST 35-16	Tank 35-16	VOC	116.08
ST 35-17	Tank 35-17	VOC	116.08
ST 35-18	Tank 35-18	VOC	116.08
ST 35-19	Tank 35-19	VOC	116.08
ST 35-20	Tank 35-20	VOC	116.08
ST 35-21	Tank 35-21	VOC	116.08
ST 35-22	Tank 35-22	VOC	116.08
ST 35-23	Tank 35-23	VOC	116.08
ST 35-24	Tank 35-24	VOC	116.08

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
ST 36-1	Tank 36-1	VOC	116.08
ST 36-2	Tank 36-2	VOC	116.08
ST 36-3	Tank 36-3	VOC	116.08
ST 36-4	Tank 36-4	VOC	116.08
ST 36-5	Tank 36-5	VOC	116.08
ST 50-1	Tank 50-1	VOC	116.08
ST 50-3	Tank 50-3	VOC	116.08
ST 60-1	Tank 60-1	VOC	116.08
ST 60-4	Tank 60-4	VOC	116.08
ST 80-1	Tank 80-1	VOC	162.51
ST 80-2	Tank 80-2	VOC	162.51
ST 80-3	Tank 80-3	VOC	162.51
ST 80-4	Tank 80-4	VOC	162.51
ST 80-5	Tank 80-5	VOC	162.51
ST 80-6	Tank 80-6	VOC	162.51
ST 80-7	Tank 80-7	VOC	162.51

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
SHORT-TERM

AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
ST 80-8	Tank 80-8	VOC	162.51
ST 80-9	Tank 80-9	VOC	162.51
ST 80-10	Tank 80-10	VOC	162.51
ST 80-11	Tank 80-11	VOC	162.51
ST 80-12	Tank 80-12	VOC	162.51
ST 80-13	Tank 80-13	VOC	162.51
ST 80-14	Tank 80-14	VOC	162.51
ST 80-15	Tank 80-15	VOC	162.51
ST 80-16	Tank 80-16	VOC	162.51
ST 80-17	Tank 80-17	VOC	162.51
ST 80-18	Tank 80-18	VOC	162.51
ST 80-19	Tank 80-19	VOC	162.51
ST 80-20	Tank 80-20	VOC	162.51
ST 80-21	Tank 80-21	VOC	162.51
ST 80-22	Tank 80-22	VOC	162.51
ST 80-23	Tank 80-23	VOC	162.51

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
SHORT-TERM

AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
ST 80-24	Tank 80-24	VOC	162.51
ST 80-25	Tank 80-25	VOC	162.51
ST 80-26	Tank 80-26	VOC	162.51
ST 80-27	Tank 80-27	VOC	162.51
ST 80-28	Tank 80-28	VOC	162.51
ST 80-29	Tank 80-29	VOC	162.51
ST 80-30	Tank 80-30	VOC	162.51
ST 80-31	Tank 80-31	VOC	162.51
ST 80-32	Tank 80-32	VOC	162.51
ST 80-33	Tank 80-33	VOC	162.51
ST 100-1	Tank 100-1	VOC	232.15
ST 100-2	Tank 100-2	VOC	232.15
ST 100-3	Tank 100-3	VOC	232.15
ST 100-4	Tank 100-4	VOC	232.15
ST 100-5	Tank 100-5	VOC	232.15
ST 100-6	Tank 100-6	VOC	232.15

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
SHORT-TERM

AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
ST 100-7	Tank 100-7	VOC	232.15
ST 100-8	Tank 100-8	VOC	232.15
ST 100-9	Tank 100-9	VOC	232.15
ST 100-10	Tank 100-10	VOC	232.15
ST 100-11	Tank 100-11	VOC	232.15
ST 100-12	Tank 100-12	VOC	232.15
ST 100-13	Tank 100-13	VOC	232.15
ST 100-14	Tank 100-14	VOC	232.15
ST 100-15	Tank 100-15	VOC	232.15
ST 100-16	Tank 100-16	VOC	232.15
ST 100-17	Tank 100-17	VOC	232.15
ST 100-18	Tank 100-18	VOC	232.15
ST 100-19	Tank 100-19	VOC	232.15
ST 100-20	Tank 100-20	VOC	232.15
ST 100-21	Tank 100-21	VOC	232.15
ST 100-22	Tank 100-22	VOC	232.15
ST 100-23	Tank 100-23	VOC	232.15

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
ST 100-24	Tank 100-24	VOC	232.15
ST 100-25	Tank 100-25	VOC	232.15
ST 100-26	Tank 100-26	VOC	232.15
ST 100-27	Tank 100-27	VOC	232.15
ST 100-28	Tank 100-28	VOC	232.15
ST 100-29	Tank 100-29	VOC	232.15
ST 100-30	Tank 100-30	VOC	232.15
ST 100-31	Tank 100-31	VOC	232.15
ST 100-32	Tank 100-32	VOC	232.15
ST 100-33	Tank 100-33	VOC	232.15
ST 100-34	Tank 100-34	VOC	232.15
ST 100-35	Tank 100-35	VOC	232.15
ST 100-36	Tank 100-36	VOC	232.15
ST 100-37	Tank 100-37	VOC	232.15
ST 100-38	Tank 100-38	VOC	232.15
ST 100-39	Tank 100-39	VOC	232.15

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
ST 100-40	Tank 100-40	VOC	232.15
ST 100-41	Tank 100-41	VOC	232.15
ST 100-42	Tank 100-42	VOC	232.15
ST 100-43	Tank 100-43	VOC	232.15
ST 100-44	Tank 100-44	VOC	232.15
ST 100-45	Tank 100-45	VOC	232.15
ST 100-46	Tank 100-46	VOC	232.15
ST 100-47	Tank 100-47	VOC	232.15
ST 100-48	Tank 100-48	VOC	232.15
ST 100-49	Tank 100-49	VOC	232.15
ST 100-50	Tank 100-50	VOC	232.15
ST 100-51	Tank 100-51	VOC	232.15
ST 100-52	Tank 100-52	VOC	232.15
ST 100-53	Tank 100-53	VOC	232.15
ST 100-54	Tank 100-54	VOC	232.15
ST 100-55	Tank 100-55	VOC	232.15
ST 100-56	Tank 100-56	VOC	232.15

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
ST 100-57	Tank 100-57	VOC	232.15
ST 100-58	Tank 100-58	VOC	232.15
ST 100-59	Tank 100-59	VOC	232.15
ST 160-1	Tank 160-1	VOC	232.15
ST 160-2	Tank 160-2	VOC	232.15
ST 160-3	Tank 160-3	VOC	232.15
ST 160-4	Tank 160-4	VOC	232.15
ST 160-5	Tank 160-5	VOC	232.15
ST 160-6	Tank 160-6	VOC	232.15
TRK-A1	Track A1 (14 Car Spots)	VOC *(37.82 lb/hr/car spot)	37.82*
TRK-A2	Track A2 (14 Car Spots)	VOC *(37.82 lb/hr/car spot)	37.82*
TRK-B1	Track B1 (14 Car Spots)	VOC (37.82 lb/hr/car spot)	37.82*
TRK-B2	Track B2 (14 Car Spots)	VOC *(37.82 lb/hr/car spot)	37.82*

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
TRK-B3	Track B3 (10 Car Spots)	VOC	CD
TRK-C1	Track C1 (5 Car Spots)	VOC	CD
TRK-C2	Track C2 (5 Car Spots)	VOC	CD
TRK-D	Track D (9 Car Spots)	VOC *(37.82 lb/hr/car spot)	37.82*
TRK-E	Track E (9 Car Spots)	VOC *(37.82 lb/hr/car spot)	37.82*
TRK-F1	Track F1 (6 Car Spots)	VOC	CD
TRK-F2	Track F2 (6 Car Spots)	VOC	CD
TRK-F3	Track F3 (2 Car Spots)	VOC	CD
TRK-G1	Track G1 (10 Car Spots)	VOC *(37.82 lb/hr/car spot)	37.82*
TRK-G2	Track G2 (10 Car Spots)	VOC *(37.82 lb/hr/car spot)	37.82*
TRK-G3	Track G3 (8 Car Spots)	VOC *(37.82 lb/hr/car spot)	37.82*

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
TRK-G4	Track G4 (8 Car Spots)	VOC *(37.82 lb/hr/car spot)	37.82*
TRK-H1	Track H1 (8 Car Spots)	VOC *(37.82 lb/hr/car spot)	37.82*
TRK-H2	Track H2 (8 Car Spots)	VOC *(37.82 lb/hr/car spot)	37.82*
TRK-I5	Track I5 (8 Car Spots)	VOC *(37.82 lb/hr/car spot)	37.82*
TRK-J1	Track J1 (8 Car Spots)	VOC *(37.82 lb/hr/car spot)	37.82*
LUB RACK	Lubrizol R-Rack (1 Truck Spot)	VOC *(37.82 lb/hr/truck spot)	37.82*
1ST 12s TR RACK	First 12s Truck Rack (9 Truck Spots)	VOC *(37.82 lb/hr/truck spot)	37.82*
2ND 12s TR RACK	Second 12s Truck Rack (8 Truck Spots)	VOC *(37.82 lb/hr/truck spot)	37.82*
1ST 80s TR RACK	First 80s Truck Rack (13 Truck Spots)	VOC *(37.82 lb/hr/truck spot)	37.82*
C-TR RACK	C-Truck Rack (4 Truck Spots)	VOC	CD
F-TR RACK	F-Truck Rack	VOC	CD

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
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Emission Point No. (1)	Source Name (2)	AIR CONTAMINANTS DATA** Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
	(2 Truck Spots)		
TR RACK G	Truck Rack G (13 Truck Spots)	VOC *(37.82 lb/hr/truck spot)	37.82*
TR RACK H	Truck Rack H (4 Truck Spots)	VOC *(37.82 lb/hr/truck spot)	37.82*
TR RACK I1	Truck Rack I1 (8 Truck Spots)	VOC *(37.82 lb/hr/truck spot)	37.82*
TR RACK J	Truck Rack J (8 Truck Spots)	VOC *(37.82 lb/hr/truck spot)	37.82*
BGDK-1	Barge Dock No. 1	VOC	94.5
BGDK-2	Barge Dock No. 2	VOC	94.5
BGDK-3	Barge Dock No. 3	VOC	94.5
BGDK-4	Barge Dock No. 4	VOC	94.5
BGDK-5	Barge Dock No. 5A	VOC	94.5
BGDK-5A	Barge Dock No. 5	VOC	94.5
BGDK-6	Barge Dock No. 6	VOC	94.5
BGDK-7	Barge Dock No. 7	VOC	94.5
BGDK-8	Barge Dock No. 8	VOC	94.5
BGDK-9	Barge Dock No. 9	VOC	94.5

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
BGDK-10	Barge Dock No. 10	VOC	94.5
BGDK-11	Barge Dock No. 11	VOC	CD
BGDK-12	Barge Dock No. 12	VOC	CD
BGDK-BKR	Bunker Fuel Dock	VOC	94.5
SHPDK-1	Ship Dock No. 1	VOC	113.5
SHPDK-2	Ship Dock No. 2	VOC	113.5
SHPDK-3	Ship Dock No. 3	VOC	113.5
SHPDK-7	Ship Dock No. 7	VOC	113.5
SHPDK-8	Ship Dock No. 8	VOC	113.5
FL-12s	12s Truck and Railcar Loading and Depressurization	VOC CO NO_x HCl/HBr	31.1 20.3 2.37 12.72
FL-35-12	Tank 35-12 Dedicated Flare	Butene, 1- CO NO_x	4.71 1.22 0.61
FL-105-1	Tank 105-1 Flare	VOC CO NO_x	100.00 92.45 12.80
FL-105-2	Tank 105-2 Flare	VOC CO	100.00 92.45

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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
		NO_x	12.80
FL-105-3	Tank 105-3 Flare	VOC	100.00
		CO	92.45
		NO_x	12.80
FL-SPR	700 Bullets, Spheres Tanks, TR and RC and Marine LPG Loading and Unloading, Loading Hose Clearing	VOC	200.00
		CO	184.90
		NO_x	25.60
FL-50-2	Tank 50-2 Flare	VOC	32.00
		CO	16.80
		NO_x	1.96
FL-80s	80s Truck and Railcar Loading and Depressurization	VOC	31.10
		CO	20.30
		NO_x	2.37
		HCl/HBr	12.72

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
FL-3	Marine Loading	VOC	185.4
		CO	63.7
		NO_x	7.43
		HCl	14.77
		HBr	16.5
FL-5A	Marine Loading	VOC	185.4
		CO	63.7
		NO_x	7.43
		HCl	14.77
		HBr	16.5
FL-5B	Marine Loading	VOC	185.4
		CO	63.7
		NO_x	7.43
		HCl	14.77
		HBr	16.5
FL-5C	Marine Loading	VOC	185.4
		CO	63.7
		NO_x	7.43
		HCl	14.77
		HBr	16.5
FL-5D	Marine Loading	VOC	185.4
		CO	63.7
		NO_x	7.43
		HCl	14.77
		HBr	16.5

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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
FL-5E	Marine Loading	VOC	185.4
		CO	63.7
		NO_x	7.43
		HCl	14.77
		HBr	16.5
FL-5F	Marine Loading	VOC	185.4
		CO	63.7
		NO_x	7.43
		HCl	14.77
		HBr	16.5
FL-5G	Marine Loading	VOC	185.4
		CO	63.7
		NO_x	7.43
		HCl	14.77
		HBr	16.5
FL-H	Land Loading Flare H Track and Rack	VOC	31.1
		CO	20.3
		NO_x	2.37
FL-I	Land Loading Flare I Track and Rack	VOC	31.1
		CO	20.3
		NO_x	2.37
FL-J	Land Loading Flare J Track and Rack	VOC	31.1
		CO	20.3
		NO_x	2.37
AS-1	Air Stripper AS-1	VOC	0.017

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AIR CONTAMINANTS DATA**

Emission Point No. (1)	Source Name (2)	Contaminant Name (3)	Short-Term Emission Rates Pounds per Hour
FUG 160s TKFM	Fugitive Emissions (5)	VOC	0.41
FUG 100s TKFM	Fugitive Emissions (5)	VOC	2.10
FUG Marine Docks	Fugitive Emissions (5)	VOC	5.24
FUG 12s TKFM	Fugitive Emissions (5)	VOC	4.24
FUG S-LPG	Fugitive Emissions (5)	VOC	0.46
FUG N-LPG	Fugitive Emissions (5)	VOC	0.88
FUG S 80s	Fugitive Emissions (5)	VOC	1.29
FUG 36s TKFM	Fugitive Emissions (5)	VOC	0.29
FUG N 80s	Fugitive Emissions (5)	VOC	1.60
FUG GO TKFM	Fugitive Emissions (5)	VOC	0.75
FUG DTMs	Fugitive Emissions (5)	VOC	2.11

(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
NO_x - total oxides of nitrogen
CO - carbon monoxide
HCl - hydrochloric acid
HBr - hydrobromic acid

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
SHORT-TERM

(4) The H1, H2, H3, and H4 Spots 1 to 3, (12 spots total) are limited to loading a maximum of two spots at any one time with same chemical at the maximum chemical loading rate stated in the permit attachments. The 12 spots are also restricted from loading chemicals with a short-term ESL < 2 µg/m^3.

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

CD = Control Device

Dated August 15, 2005

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES
ANNUAL

Permit Number 1078

Attachment A.2

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Annual Emission Rates Tons per Year**
8-1 through 160-6	Storage Tanks	VOC	159.2
TRK A through J and LUB RACK	Truck and Rail Loading All Spots (no controls)	VOC	3.3
BGDK-1 through 11 and BGDK-BKR SHPDK-1, 2, 3, 7, and 8	Barge and Ship Loading All Docks (no controls)	VOC	5.7
FL-12s, FL-50-2, FL-80s, FL-SPR, FL-105-1, 2, 3, and FL-35-12, FL-H, FL-I, FL-J, FL-3, 5A through 5G	Flares - Land Loading and Controlled Storage Tanks Flares - Marine Loading	VOC CO NO_x HCl HBr	52.42 117.65 14.23 2.33 4.0
AS-1	Air Stripper AS-1	VOC	0.073
FUG 160s TKFM	Fugitive Emissions (4)	VOC	1.80
FUG 100s TKFM	Fugitive Emissions (4)	VOC	9.22
FUG Marine Docks	Fugitive Emissions (4)	VOC	22.93
FUG 12s TKFM	Fugitive Emissions (4)	VOC	18.57
FUG S-LPG	Fugitive Emissions (4)	VOC	2.01
FUG N-LPG	Fugitive Emissions (4)	VOC	3.87

FUG S 80s	Fugitive Emissions (4)	VOC	5.66
FUG 36s TKFM	Fugitive Emissions (4)	VOC	1.27
FUG N 80s	Fugitive Emissions (4)	VOC	7.00
FUG GO TKFM	Fugitive Emissions (4)	VOC	3.27
FUG DTMs	Fugitive Emissions (4)	VOC	9.24
FUG-M	Fugitive Emissions (5)	VOC	N/A

(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
NO_x - total oxides of nitrogen
CO - carbon monoxide
HCl - hydrochloric acid
HBr - hydrobromic acid
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) FUG-M accounts for piping components subject to 30 TAC § 115.214(a)(3)(F) within each area.

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

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

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

Dated August 15, 2005