Permit Number 1078

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, sources, and related activities. 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.	Source Name (2)	Air Contaminant Name (3) Emission		Rates
(1)			lbs/hour	TPY (4)
	SHOR	T TERM EMISSION RATES		
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	
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
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
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
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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
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
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 35-12	Tank 35-12	VOC	116.08

ST 35-13 ST 35-14	Tank 35-13 Tank 35-14	VOC	116.08
	Tank 35-14		-
0-0-1-		VOC	116.08
ST 35-15	Tank 35-15	VOC	116.08
ST 35-16	Tank 35-16	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
ST 35-25	Tank 35-25	VOC	116.08
ST 35-26	Tank 35-26	VOC	116.08
ST 35-27	Tank 35-27	VOC	116.08
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
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
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
-			

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
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
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 100-49	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 100-54	Tank 100-54	VOC	232.15
ST 100-55	Tank 100-55	VOC	232.15
ST 100-56	Tank 100-56	VOC	232.15
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 100-60	Tank 100-60	VOC	232.15
ST 100-61	Tank 100-61	VOC	232.15
ST 100-62	Tank 100-62	VOC	232.15
ST 100-63	Tank 100-63	VOC	232.15
ST 100-64	Tank 100-64	VOC	232.15
ST 100-65	Tank 100-65	VOC	232.15
ST 100-66	Tank 100-66	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
HOSEARND	Marine Dock Hose Clearings	VOC	1.57

IFRCD	IFR Tank Landed	VOC	19.59	
	Refill Control Device	NO _x	4.49	
	(Flare, ICE, TO)	СО	8.96	
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*	
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	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*	
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	VOC *(37.82 lb/hr/car spot)	37.82*	

	(8 Car Spots)		
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/car spot)	37.82*
1ST 12s TR RACK	First 12s Truck Rack (9 Truck Spots)	VOC *(37.82 lb/hr/car spot)	37.82*
2ND 12s TR RACK	Second 12s Truck Rack (8 Truck Spots)	VOC *(37.82 lb/hr/car spot)	37.82*
1ST 80s TR RACK	First 80s Truck Rack (13 Truck Spots)	VOC *(37.82 lb/hr/car spot)	37.82*
C-TR RACK	C-Truck Rack (4 Truck Spots)	VOC	CD
F-TR RACK	F-Truck Rack (2 Truck Spots)	VOC	CD
TR RACK G	Truck Rack G (13 Truck Spots)	VOC *(37.82 lb/hr/car spot)	37.82*

Emission Point No.	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
(1)			lbs/hour	TPY (4)
TR RACK H	Truck Rack H (4 Truck Spots)	VOC *(37.82 lb/hr/car spot)	37.82*	
TR RACK I1	Truck Rack I1 (8 Truck Spots)	VOC *(37.82 lb/hr/car spot)	37.82*	
TR RACK J	Truck Rack J (8 Truck Spots)	VOC *(37.82 lb/hr/car 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	
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	VOC	31.1	
	Railcar Loading and Depressurization	СО	20.3	
	,	NO _x	2.37	
		HCI/HBr	12.72	

FL-35-12	Tank 35-12	1-Butene	4.71
	Dedicated Flare	СО	1.22
		NO _x	0.61
FL-105-1	Tank 105-1 Flare	VOC	100
		СО	92.45
		NO _x	12.8
FL-105-2	Tank 105-2 Flare	VOC	100
		СО	92.45
		NO _x	12.8
FL-105-3	Tank 105-3 Flare	VOC	100
		СО	92.45
		NO _x	12.8
FL-SPR	700 Bullets, Spheres	VOC	200
	Tanks, TR and RC and Marine LPG	СО	184.9
	Loading and Unloading, Loading Hose Clearing	NO _x	25.6
FL-50-2	Tank 50-2 Flare	VOC	32
		СО	16.8
		NO _x	1.96
FL-80s	80s Truck and	VOC	31.1
	Railcar Loading and Depressurization	СО	20.3
	·	NO _x	2.37
		HCI/HBr	12.72
FL-3	Marine Loading	VOC	185.4
		СО	63.7
		NO _x	7.43
		HCI	14.77
		HBr	16.5
FL-5A	Marine Loading	VOC	185.4
		СО	63.7
		NO _x	7.43

		HCI	14.77
		HBr	16.5
FL-5B	Marine Loading	VOC	185.4
		СО	63.7
		NO _x	7.43
		HCI	14.77
		HBr	16.5
FL-5C	Marine Loading	VOC	185.4
		СО	63.7
		NO _x	7.43
		HCI	14.77
		HBr	16.5
FL-5D	Marine Loading	VOC	185.4
		СО	63.7
		NO _x	7.43
		HCI	14.77
		HBr	16.5
FL-5E	Marine Loading	VOC	185.4
		СО	63.7
		NO _x	7.43
		HCI	14.77
		HBr	16.5

Emission Point No.	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
(1)			lbs/hour	TPY (4)
FL-5F	Marine Loading	VOC	185.4	
		СО	63.7	
		NO _x	7.43	
		HCI	14.77	
		HBr	16.5	
FL-5G	Marine Loading	VOC	185.4	
		СО	63.7	
		NO _x	7.43	
		HCI	14.77	
		HBr	16.5	
FL-H	Land Loading Flare H Track and Rack	VOC	31.1	
		СО	20.3	
		NO _x	2.37	
FL-I	Land Loading Flare I Track and Rack	VOC	31.1	
		СО	20.3	
		NO _x	2.37	
FL-J	Land Loading Flare J Track and Rack	VOC	31.1	
		СО	20.3	
		NO _x	2.37	
AS-1	Air Stripper AS-1	VOC	0.017	
FUG 160s TKFM	Fugitive Emissions (5)	VOC	0.41	
FUG 100s TKFM	Fugitive Emissions (5)	VOC	2.1	
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	1.6	
FUG GO TKFM	Fugitive Emissions (5)	VOC	0.75	
FUG DTMs	Fugitive Emissions (5)	VOC	2.11	

	ANI	NUAL EMISSION RATES	
8-1 through 160-6	Storage Tanks (6)	voc	159.2
HOSEARND	Marine Dock Hose Clearings	VOC	0.22
IFRCD	IFR Tank Landed Refill Control Device (Flare, ICE, TO)	voc	4.68
		NOx	1.84
		со	3.67
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 - Marine	voc	52.42
		со	117.65
		NO _x	14.23
		HCI	2.33
		HBr	4.00
AS-1	Air Stripper AS-1	voc	0.073
FUG 160s TKFM	Fugitive Emissions (5)	VOC	1.8
FUG 100s TKFM	Fugitive Emissions (5)	VOC	9.22
FUG Marine Docks	Fugitive Emissions (5)	VOC	22.93
FUG 12s TKFM	Fugitive Emissions	VOC	18.57

	(5)		
FUG S-LPG	Fugitive Emissions (5)	VOC	2.01
FUG N-LPG	Fugitive Emissions (5)	VOC	3.87
FUG S 80s	Fugitive Emissions (5)	VOC	5.66
FUG 36s TKFM	Fugitive Emissions (5)	VOC	1.27
FUG N 80s	Fugitive Emissions (5)	VOC	7
FUG GO TKFM	Fugitive Emissions (5)	VOC	3.27
FUG DTMs	Fugitive Emissions (5)	VOC	9.24
FUG-M	Fugitive Emissions (7)	VOC	N/A

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.

(0)	O :C:					
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121	JUECHIC	DOILL	Source name.	i di ludilive sodices.	. use area name or iuunive si	Juice Haine.

(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

HBr - hydrogen bromide
PM - total particulate matter
CO - carbon monoxide

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Annual allowable emission rate includes 38.7 TPY attributable to tank roof landing operations.
- (7) FUG-M accounts for piping components subject to 30 TAC § 115.214(a)(3)(F) within each area.

CD=Control Device

Date	January 30, 2012
·	