#### Permit Numbers 38754 and PSDTX324M15

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	Emission Rates	
(1)		Name (3)	lbs/hour	TPY (4)
MSS Caps	MSS Caps	со	2,085.19	128.91
		H <sub>2</sub> S	10.59	0.22
		NH <sub>3</sub>	4.41	0.17
		NO <sub>x</sub>	356.84	27.19
		РМ	79.52	3.76
		PM <sub>10</sub>	79.52	2.92
		PM <sub>2.5</sub>	79.52	2.92
		SO <sub>2</sub> 996.29 VOC 578.44	996.29	338.89
			578.44	70.04
		Exempt Solvents	1.76	0.60
1	Heater - Crude Heater (01-H-01)	со	8.10	20.13
		NH <sub>3</sub>	0.05	0.17
		NO <sub>x</sub>	9.72	19.24
		РМ	1.21	4.00
		PM <sub>10</sub>	1.21	4.00
			1.21	4.00
			2.50	5.71
		voc	0.87	2.90
131	Heater - Crude Preflash (01-H- 02)	со	0.62	2.71
02)	02)	NH <sub>3</sub>	<0.01	0.02
		NO <sub>x</sub>	1.77	6.29
		PM	0.13	0.49
		PM <sub>10</sub>	0.13	0.49
		PM <sub>2.5</sub>	0.13	0.49
Project Number: 333877		SO <sub>2</sub>	0.27	0.64

		VOC	0.10	0.35
132	Heater - Crude Stabilizer (01-H-03)	СО	0.17	0.72
	(00)	NH <sub>3</sub>	<0.01	<0.01
		NO <sub>x</sub>	0.48	2.06
		PM	0.04	0.15
		PM <sub>10</sub>	0.04	0.15
		PM <sub>2.5</sub>	0.04	0.15
		SO <sub>2</sub>	0.07	0.22
		VOC	0.03	0.11
74	Vacuum Heater	со	4.99	16.77
		NH <sub>3</sub>	0.03	0.14
		NO <sub>x</sub>	5.98	26.21
		PM	0.74	3.26
		PM <sub>10</sub>	0.74	3.26
		PM <sub>2.5</sub>	0.74	3.26
		SO <sub>2</sub>	1.37	4.13
		VOC	0.54	2.36
114	Heater - Desalter Heater (11-H-	со	3.54	15.52
	01)	СО	3.54	15.52
		NH <sub>3</sub>	0.03	0.14
		NO <sub>x</sub> 3.96	3.96	17.34
		PM	0.74	3.23
		PM <sub>10</sub>	0.74	3.23
		PM <sub>2.5</sub>	0.74	3.23
		SO <sub>2</sub>	1.52	4.60
		VOC	0.53	2.34
		H <sub>2</sub> S	0.02	0.05
115	HDS Heaters	СО	8.08	32.91
		NH <sub>3</sub>	0.05	0.22
Project Number: 333877		NO <sub>x</sub>	9.70	42.07
		PM	1.20	5.22
		DM .	1 20	5 22

		SO <sub>2</sub>	2.49	7.45
		VOC	0.87	3.78
115	HDS Heaters	СО	8.08	32.91
		NH <sub>3</sub>	0.05	0.22
		NO <sub>x</sub>	9.70	42.07
		РМ	1.20	5.22
		PM <sub>10</sub>	1.20	5.22
		PM <sub>2.5</sub>	1.20	5.22
		SO <sub>2</sub>	2.49	7.45
		voc	0.87	3.78
116	Heater - HDS Pre-Heater (12-H-02)	со	0.31	1.10
	02)	NH <sub>3</sub>	<0.01	0.02
		NO <sub>x</sub>	2.36	8.28
		РМ	0.15	0.51
		PM <sub>10</sub>	0.15	0.51
		PM <sub>2.5</sub>	0.15	0.51
		SO <sub>2</sub>	0.30	0.73
		voc	0.11	0.37
118	Hydrogen Reformer Heater	со	58.51	220.73
		NH <sub>3</sub>	0.37	1.52
		NO <sub>x</sub>	70.21	284.40
		PM	8.72	35.80
		PM <sub>10</sub>	8.72	35.80
		PM <sub>2.5</sub>	8.72	35.80
		SO <sub>2</sub>	44.53	122.64
		VOC	9.95	25.91
153	Heater - HR Boiler (30-B-02)	со	8.46	28.94
		NH <sub>3</sub>	0.09	0.33
		NO <sub>x</sub>	22.56	82.34
Project Number: 333877		PM	2.10	5.51
		PM <sub>10</sub>	2.10	5.51
		DM.	2 10	5 51

		VOC	1.52	3.99
30-B-04	Boiler 30-B-04	со	19.84	48.14
		NH <sub>3</sub>	2.41	5.86
		NO <sub>x</sub>	8.25	20.02
		РМ	4.10	9.95
		PM <sub>10</sub>	4.10	9.95
		PM <sub>2.5</sub>	4.10	9.95
		SO <sub>2</sub>	8.65	14.47
		VOC	2.97	7.20
30-B-04MSS	Boiler 30-B-04	со	198.55	3.57
		NO <sub>x</sub>	55.00	0.99
117	Heater - Alky Frac. Reb. (31-H-01)	СО	2.51	8.83
		NH <sub>3</sub>	0.05	0.17
		NO <sub>x</sub>	5.64	19.86
		РМ	1.17	4.11
		PM <sub>10</sub>	1.17	4.11
		PM <sub>2.5</sub>	1.17	4.11
		SO <sub>2</sub>	2.41	5.86
		VOC	0.85	2.97
120	Heater - Butamer Heater (36-H-01)	СО	0.27	0.98
		NH <sub>3</sub>	<0.01	0.02
		NO <sub>x</sub>	2.00	4.30
		РМ	0.12	0.26
		PM <sub>10</sub>	0.12	0.26
		PM <sub>2.5</sub>	0.12	0.26
		SO <sub>2</sub>	0.26	0.41
		VOC	0.09	0.19
162	Oleflex Heater	со	19.45	69.49
		NH <sub>3</sub>	0.12	0.49
Project Number: 333877		NO <sub>x</sub>	23.34	65.75
		РМ	2.90	11.62
		DM	2.00	11.62

		SO <sub>2</sub>	5.99	16.57
		voc	2.10	8.41
119	Heater - Sulften Heater (46-H- 01)	со	0.35	1.49
	(01)	NH <sub>3</sub>	0.01	0.03
		NO <sub>x</sub>	2.62	5.21
		PM	0.16	0.32
		PM <sub>10</sub>	0.16	0.32
		PM <sub>2.5</sub>	0.16	0.32
		SO <sub>2</sub>	0.34	0.63
		voc	0.12	0.24
150	HCU Heater	со	6.10	24.38
		NH <sub>3</sub>	0.06	0.26
		NO <sub>x</sub>	12.19	48.76
		PM	1.51	6.06
		PM <sub>10</sub>	1.51	6.06
		PM <sub>2.5</sub>	1.51	6.06
		SO <sub>2</sub>	3.13	8.63
		voc	1.10	4.38
151	Heater - NHU Heater (48-H-01)	со	3.05	6.68
		NH <sub>3</sub>	0.01	0.05
		NO <sub>x</sub>	3.90	17.08
		PM	0.29	1.27
		PM <sub>10</sub>	0.29	1.27
		PM <sub>2.5</sub>	0.29	1.27
		SO <sub>2</sub>	0.60	1.81
		voc	0.21	0.92
152	CRU Heater	СО	16.85	57.02
		NH <sub>3</sub>	0.18	0.60
		NO <sub>x</sub>	39.31	133.06
Project Number: 333877		PM	4.18	14.16
		PM <sub>10</sub>	4.18	14.16
		DM	<i>1</i> 10	14.16

		VOC	3.03	10.25
172	Heater - RSU Heater (49-H-71)	со	3.30	12.72
		NH <sub>3</sub>	0.02	0.08
		NO <sub>x</sub>	3.96	15.26
		PM	0.49	1.90
		PM <sub>10</sub>	0.49	1.90
		PM <sub>2.5</sub>	0.49	1.90
		SO <sub>2</sub>	1.02	2.70
		voc	0.36	1.37
49-H-90	Heater - C7 Splitter Reb. (49-H-	со	5.32	16.82
	90)	NH <sub>3</sub>	0.03	0.13
		NO <sub>x</sub>	4.25	15.46
		PM	0.79	3.01
		PM <sub>10</sub>	0.79	3.01
		PM <sub>2.5</sub>	0.79	3.01
		SO <sub>2</sub>	1.64	4.29
		voc	0.57	2.18
195	Heater - GDU Charge Heater	со	13.65	34.29
	(52-H-01)	NH <sub>3</sub>	0.05	0.20
		NO <sub>x</sub>	5.80	14.69
		PM	1.23	4.61
		PM <sub>10</sub>	1.23	4.61
		PM <sub>2.5</sub>	1.23	4.61
		SO <sub>2</sub>	2.55	6.57
		voc	0.89	3.34
1F	Crude Unit	voc	See Subcap	See Subcap
2F	Vacuum Unit	H <sub>2</sub> S	See Subcap	See Subcap
		VOC	See Subcap	See Subcap
4F	LEU Unit	VOC	See Subcap	See Subcap
11F Project Number: 333877	Desalter Unit	VOC	See Subcap	See Subcap
12F	HDS Unit	H <sub>2</sub> S	See Subcap	See Subcap
		VOC	Soo Subcan	Soo Subcan

13F	H <sub>2</sub> Reformer	VOC	See Subcap	See Subcap
18F	LEU -2	VOC	See Subcap	See Subcap
20F	LRU	VOC	See Subcap	See Subcap
21/22F	НОС	H₂S	See Subcap	See Subcap
		VOC	See Subcap	See Subcap
30F	Boiler House	VOC	See Subcap	See Subcap
07F	#07 BUP Flare	VOC	See Subcap	See Subcap
31F	Alky Unit	H <sub>2</sub> S	See Subcap	See Subcap
		HF	0.52	2.30
		voc	See Subcap	See Subcap
36F	Butamer Unit	voc	See Subcap	See Subcap
37F	Iso-Octene	VOC	See Subcap	See Subcap
38F	Oleflex Unit	VOC	See Subcap	See Subcap
46-24F	SULF-10 Fugitives (5)	H <sub>2</sub> S	See Subcap	See Subcap
		VOC	See Subcap	See Subcap
41F	SRU Unit Fugitives (5)	H <sub>2</sub> S	See Subcap	See Subcap
		VOC	See Subcap	See Subcap
47F	HCU Unit	H <sub>2</sub> S	See Subcap	See Subcap
		VOC	See Subcap	See Subcap
47PSA	PSA Unit	VOC	See Subcap	See Subcap
48F	NHT Unit	H <sub>2</sub> S	See Subcap	See Subcap
		VOC	See Subcap	See Subcap
49F	CRU Unit	VOC	See Subcap	See Subcap
175	XFU/RFU/C7Split Unit	VOC	See Subcap	See Subcap
52F	GDU Unit	voc	See Subcap	See Subcap
DOCKS	DK-Docks	voc	See Subcap	See Subcap
08F	#08FLR/Day Tanks	voc	See Subcap	See Subcap
LPG STGF	LPG STORAGE	voc	See Subcap	See Subcap
MVRUF	MVRU	voc	See Subcap	See Subcap
TERM-F Project Number: 333877	#TM-Terminal	voc	See Subcap	See Subcap
TRKRACKFUG	TRUCK RACK (5)	voc	See Subcap	See Subcap
83F	Wastewater Treatment Plant	VOC	Soo Subcan	Soo Subcan

54F	Selective Hydrogenation Unit	voc	See Subcap	See Subcap
42F	Sour Water Stripper	H <sub>2</sub> S	See Subcap	See Subcap
		VOC	See Subcap	See Subcap
##F	Selective Hydrogenation Unit (5)	VOC	See Subcap	See Subcap
##F	LPG Gas Plant (5)	voc	See Subcap	See Subcap
##F	Boiler 30-B-05 (5)	voc	See Subcap	See Subcap
168	Oleflex CCR	Cl <sub>2</sub>	<0.01	0.04
		H <sub>2</sub> SO <sub>4</sub>	<0.01	0.01
		HCI	0.06	0.28
		SO <sub>2</sub>	0.04	0.19
69	Tank - 9	voc	3.10	0.49
122	Cooling Tower - HOC	РМ	3.54	13.17
		PM <sub>10</sub>	3.36	12.52
		PM <sub>2.5</sub>	0.53	1.96
		VOC	5.67	21.09
123	Cooling Tower - Alky	РМ	0.71	2.00
		PM <sub>10</sub>	0.70	1.98
		PM <sub>2.5</sub>	0.19	0.55
		VOC	1.26	3.55
167-CT	Cooling Tower - BUP	РМ	4.52	19.26
		PM <sub>10</sub>	4.30	18.33
		PM <sub>2.5</sub>	0.67	2.88
		VOC	1.47	6.27
1CT	Cooling Tower - Crude	PM	0.34	1.13
		PM <sub>10</sub>	0.34	1.11
		PM <sub>2.5</sub>	0.06	0.21
		VOC	0.17	0.55
16-P-04	Engine - 16-P-04	со	2.20	0.06
		NO <sub>x</sub>	8.00	0.21
Project Number: 333877		PM	0.73	0.02
		PM <sub>10</sub>	0.73	0.02
		DM.	0.73	0.02

		voc	0.83	0.02
16-P-07	Engine - 16-P-07	СО	2.67	0.04
		NO <sub>x</sub>	9.69	0.15
		PM	0.88	0.01
		PM <sub>10</sub>	0.88	0.01
		PM <sub>2.5</sub>	0.88	0.01
		SO <sub>2</sub>	0.82	0.01
		voc	1.01	0.02
l6-P-11	Engine - 16-P-11	СО	0.80	0.02
		NO <sub>x</sub>	3.32	0.09
		РМ	0.11	<0.01
		PM <sub>10</sub>	0.11	<0.01
		PM <sub>2.5</sub>	0.11	<0.01
		SO <sub>2</sub>	0.10	<0.01
		VOC	0.12	<0.01
L6-P-12	Engine - 16-P-12	СО	0.80	0.02
		NO <sub>x</sub>	3.32	0.09
		РМ	0.11	<0.01
		PM <sub>10</sub>	0.11	<0.01
		PM <sub>2.5</sub>	0.11	<0.01
		SO <sub>2</sub>	0.10	<0.01
		VOC	0.12	<0.01
L6-P-13	Engine - 16-P-13	СО	0.80	0.02
		NO <sub>x</sub>	3.32	0.09
		РМ	0.11	<0.01
		PM <sub>10</sub>	0.11	<0.01
		PM <sub>2.5</sub>	0.11	<0.01
		SO <sub>2</sub>	0.10	<0.01
		VOC	0.12	<0.01
L6-P-14 roject Number: 333877	Engine - 16-P-14	СО	0.80	0.02
		NO <sub>x</sub>	3.32	0.09
		DM	0.11	<0.01

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		PM <sub>2.5</sub>	0.11	<0.01
		SO <sub>2</sub>	0.10	<0.01
		VOC	0.12	<0.01
126	Main Flare	СО	See Subcap	See Subcap
		H <sub>2</sub> S	See Subcap	See Subcap
		NO <sub>x</sub>	See Subcap	See Subcap
		SO <sub>2</sub>	See Subcap	See Subcap
		voc	See Subcap	See Subcap
158	Ground Flare	СО	See Subcap	See Subcap
		H <sub>2</sub> S	See Subcap	See Subcap
		NO <sub>x</sub>	See Subcap	See Subcap
		SO <sub>2</sub>	See Subcap	See Subcap
		VOC	See Subcap	See Subcap
127	BUP Flare	СО	See Subcap	See Subcap
		H <sub>2</sub> S	See Subcap	See Subcap
		NO <sub>x</sub>	See Subcap	See Subcap
		SO <sub>2</sub>	See Subcap	See Subcap
		voc	See Subcap	See Subcap
135	Acid Gas Flare (pilot only)	СО	See Subcap	See Subcap
		H <sub>2</sub> S	See Subcap	See Subcap
		NO <sub>x</sub>	See Subcap	See Subcap
		SO <sub>2</sub>	See Subcap	See Subcap
		voc	See Subcap	See Subcap
Various	Flares Subcap	СО	113.27	121.03
		H <sub>2</sub> S	0.04	0.11
		NO <sub>x</sub>	23.04	20.77
		SO <sub>2</sub>	3.55	10.43
		VOC	291.17	63.51
31	Loading - Heavy Oil	voc	14.96	4.72
SHIP FUG Project Number: 333877	Loading - Ships Fugitives (5)	voc	237.46	91.74
VRU	Loading - MVRU	VOC	61.33	23.13
TRUCKFUG	Loading - Truck Fugitives (5)	VOC	11 96	15.97

TRUCKCOMB	Loading - Truck Combustor	со	15.28	22.76
		NO <sub>x</sub>	7.64	11.38
		SO <sub>2</sub>	0.02	0.03
		VOC	8.18	13.61
		PM	0.23	0.34
		PM <sub>10</sub>	0.23	0.34
		PM <sub>2.5</sub>	0.23	0.34
AE-49601A/B	AE-49601A/B Analyzer Vent	voc	0.01	0.01
AE-49900A/B	AE-49900A/B Analyzer Vent	voc	0.01	0.01
AE-49901A/B	AE-49901A/B Analyzer Vent	voc	0.01	0.01
121 (6)	HOC Belco Scrubber	со	958.40	1559.15
		HCN	80.47	320.40
		H <sub>2</sub> SO <sub>4</sub>	49.00	199.30
		NO <sub>x</sub>	384.12	473.81
		PM	140.00	569.40
		PM <sub>10</sub>	140.00	569.40
		PM <sub>2.5</sub>	140.00	569.40
		SO <sub>2</sub>	223.08	437.03
		voc	30.42	123.79
		H <sub>2</sub> S	<0.01	<0.01
		NH <sub>3</sub>	4.84	17.88
121 (6)	SRU Incinerators Cap	СО	220.75	678.85
		H <sub>2</sub> S	5.82	18.73
		NO <sub>x</sub>	54.64	239.31
		РМ	24.72	98.38
		PM <sub>10</sub>	24.72	98.38
		PM <sub>2.5</sub>	24.72	98.38
		SO <sub>2</sub>	191.32	837.99
		VOC	0.96	3.46
121 (6) Project Number: 333877	Temporary SRU Stack	со	10.04	7.23
		H <sub>2</sub> S	0.047	0.03
		NO	1 222	0.72

ř.	1			
		PM <sub>10</sub>	1.205	0.87
		PM <sub>2.5</sub>	1.205	0.87
		SO <sub>2</sub>	13.816	9.95
FUG-CAP	Fugitives Subcap (5)	voc	112.45	492.32
		H <sub>2</sub> S	0.59	2.58
		NH <sub>3</sub>	0.01	0.06
155	CRU CCR	HCI	0.07	0.29
118	SMR Condenser Vent	voc	3.64	15.94
21 BH	MAGNACAT Unit	РМ	0.18	0.60
		PM <sub>10</sub>	0.18	0.60
		PM <sub>2.5</sub>	0.18	0.60
187	Tank 25	H <sub>2</sub> S	0.02	0.04
		NH <sub>3</sub>	<0.01	<0.01
		voc	1.43	5.33
83-P-136A	Engine 83-P-136A-EN	СО	2.48	0.06
		NO <sub>x</sub>	7.43	0.19
		РМ	0.38	<0.01
		PM <sub>10</sub>	0.38	<0.01
		PM <sub>2.5</sub>	0.38	<0.01
		SO <sub>2</sub>	0.88	0.02
		VOC	7.43	0.19
83-P-136B	Engine 83-P-136B-EN	СО	2.48	0.06
		NO <sub>x</sub>	7.43	0.19
		РМ	0.38	<0.01
		PM <sub>10</sub>	0.38	<0.01
		PM <sub>2.5</sub>	0.38	<0.01
		SO <sub>2</sub>	0.88	0.02
		VOC	7.43	0.19
WWTP-OWS	WW collection system	voc	8.62	37.77
83-TK-26 Project Number: 333877	Tank 26	voc	0.12	0.45
83-TK-159	Tank 159	voc	0.15	0.39
83-TK-160	Tank 160	VOC	0.15	0.30

83-V-97	Tank 97	voc	0.18	0.40
83-V-58	Tank 58	VOC	0.11	0.44
83-V-59	Tank 59	VOC	0.11	0.44
83-TK-162	Tank 162	VOC	0.39	1.77
83-TK-155	Tank 155	VOC	0.39	1.77
124	API/DGF Combustor	со	1.65	7.22
		NO <sub>x</sub>	0.45	1.76
		SO <sub>2</sub>	0.03	0.13
		voc	2.94	12.88
83-TK-23	Equalization Tank	voc	0.81	3.51
83-TK27	Bio Oxidation Reactor Tank	voc	0.51	2.22
WWTP-AERB	Aeration Basin	voc	0.25	1.09
WWTP-CLRF	Clarifier	VOC	<0.01	0.04
WWTP-SLB	Saline Basin	voc	<0.01	<0.01
01-01	Crude/Vacuum Unit Pump Alley	voc	<0.01	0.02
01-02	North Side of Vacuum Unit	voc	<0.01	0.02
01-03	North Side of Vacuum Unit	voc	<0.01	0.02
01-04	Northwest Side of Vacuum Unit - Main Sump	VOC	<0.01	0.03
03-01	N of Tanks 156/161	voc	0.02	0.08
98-02	WP MSAT Rail Rack	voc	0.02	0.08
11-01	Desalter Pump Alley	voc	<0.01	0.02
41-01	North of 43-TK-08 (Amine Tank)	voc	<0.01	0.02
41-02	W of 41-V-05 (Acid Gas K.O. Drum)	voc	<0.01	0.02
49-01	Northwest of XFU	voc	<0.01	0.02
49-02	North Side of NHT (Unit 48)	VOC	<0.01	0.02
49-03	NHT (Unit 48) Pump Alley	voc	<0.01	0.02
50-01	East of Tank 62	VOC	<0.01	0.02
52-01	NW of GDU MCC Room	voc	<0.01	0.02
70-01	East of Tank 55	voc	<0.01	0.02
Project Number: 333877 70-02	Northwest of Tank 106	voc	<0.01	0.02
70-03	West of Tank 94 (S&D Main	VOC	<0.01	0.03

72-01	East of Tank 111	voc	<0.01	0.02
73-01	North of Tank 152 (Terminal 2A)	voc	<0.01	0.02
73-02	Between TK 8 & TK 164			
10.02	(Terminal 2)	VOC	<0.01	0.02
83-01	WWT (Hydroblast Pad)	VOC	0.02	0.07
83-02	WWT (Desalter Lift Station)	VOC	0.01	0.05
83-03	WWT (East of KOH Treater)	voc	0.02	0.07
83-04	WWT (Northeast of Tank 159)	voc	<0.01	0.02
83-05	WWT (North Lift Station)	voc	<0.01	0.03
83-06	WWT (North of V-68)	voc	<0.01	0.02
83-07	WWT (South of V-55)	voc	<0.01	0.02
83-09	WWT (BSRP)	voc	<0.01	0.02
83-10	WWT 83-V-99 (Diversion Box)	voc	0.02	0.07
83-12	WWT 83-V-28 (SE of Catalyst Pad)	voc	0.02	0.07
V-201	WP MSAT Rail Rack	voc	0.51	2.23
124a	WP WWT API Combustor Backup	voc	0.02	0.08
16-V-11	FWP 16-P-11 Diesel Tank	voc	0.03	<0.01
16-V-12	FWP 16-P-12 Diesel Tank	voc	0.03	<0.01
16-V-13	FWP 16-P-13 Diesel Tank	voc	0.03	<0.01
16-V-14	FWP 16-P-14 Diesel Tank	voc	0.03	<0.01
FWP-FUG	Firewater Pump Engine Fugitives	VOC	0.06	0.26
30-B-05	Boiler 30-B-05	со	33.48	70.84
		NH <sub>3</sub>	2.18	8.68
		NO <sub>x</sub>	7.16	30.14
		PM	3.56	14.16
		PM <sub>10</sub>	3.56	14.16
		PM <sub>2.5</sub>	3.56	14.16
		SO <sub>2</sub>	11.56	38.06
		H <sub>2</sub> S	<0.01	<0.01
Project Number: 333877		voc	2.81	11.30
30-B-05	Boiler 30-B-05 (MSS)	NO <sub>x</sub>	71.61	

		PM <sub>2.5</sub>	<0.01	0.01
		VOC	1.09	4.78
XX-01	HOC PP Gas Plant CAS	voc	<0.01	0.02

- (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) Cl<sub>2</sub> chlorine

CO - carbon monoxide
HCN - hydrogen cyanide
HF - hydrogen fluoride
H<sub>2</sub>S - hydrogen sulfide
H<sub>2</sub>SO<sub>4</sub> - sulfuric acid

MSS - Maintenance, Startup and Shutdown

NH<sub>3</sub> - ammonia

NO<sub>x</sub> - total oxides of nitrogen

PM - total particulate matter, suspended in the atmosphere, including  $PM_{10}$  and  $PM_{2.5}$ , as represented - total particulate matter equal to or less than 10 microns in diameter, including  $PM_{2.5}$ , as represented

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

SO<sub>2</sub> - sulfur dioxide

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

- (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.

Date: TBD

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#### Permit Number GHGPSDTX211

This table lists the maximum allowable emission rates of greenhouse gas (GHG) emissions, as defined in Title 30 Texas Administrative Code § 101.1, for all sources of GHG air contaminants on the applicant's property that are authorized 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 authorized by this permit.

#### Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant	Emission Rates
		Name (3)	TPY (4)
121	HOC Belco Scrubber	CO <sub>2</sub> (5)	2,451,673.00
		CH <sub>4</sub> (5)	72.08
		N <sub>2</sub> O (5)	14.42
		CO₂e	2,457,772.00
Various (FUG-CAP)	Fugitives Subcap	CH <sub>4</sub> (5)	3.59
		CO <sub>2</sub> e	90.00
30-B-05	Boiler 30-B-05	CO <sub>2</sub> (5)	222,364.00
		CH <sub>4</sub> (5)	4.19
		N <sub>2</sub> O (5)	0.42
		CO₂e	22,594.00

- (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<sub>2</sub> carbon dioxide

N<sub>2</sub>O - nitrous oxide CH<sub>4</sub> - methane

CO₂e - carbon dioxide equivalents based on the following Global Warming Potentials (1/2015):

CO<sub>2</sub> (1), N<sub>2</sub>O (298), CH<sub>4</sub>(25)

- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. These rates include emissions from maintenance, startup, and shutdown.
- (5) Emission rate is given for informational purposes only and does not constitute enforceable limit.

Date:	TBD	

Project Number: 333877