Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 6056, PSDTX1062M3, and PSDTX1534

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. (1)	FIN	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
				lbs/hour	TPY (4)
VDCU2	VDCU2	Delayed Coking Unit 2 Vent	VOC	55.00	55.00
			PM	1.76	1.76
			PM_{10}	1.76	1.76
			$PM_{2.5}$	1.76	1.76
			SO_2	0.02	0.02
			H_2S	3.63	3.63
FCOKE2	COKE 2FE	DCU Coke Handling (5)	PM	0.01	0.01
			PM_{10}	0.01	0.01
			$PM_{2.5}$	0.01	0.01
FCOKEX	COKE X FE	Coke Stockpile Surge Pad (5)	PM	0.33	1.45
			PM_{10}	0.17	0.72
			$PM_{2.5}$	0.17	0.72
FKCRU5 FE	CRU5 FE	#5 CRU Cooling Tower	VOC	2.31	4.34
			PM	1.65	7.23
			PM_{10}	1.38	6.03
			$PM_{2.5}$	0.01	0.02
FKDCU2 FE	DCU2 FE	DCU 2 Cooling Tower	VOC	1.71	3.21
			PM	1.22	5.36
			PM_{10}	1.02	4.47
			$PM_{2.5}$	0.01	0.01

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FKPS 4 FE	PS 4 FE	Power Station Cooling Tower	PM	0.23	0.99
			PM_{10}	0.14	0.62
			$PM_{2.5}$	0.01	0.01
FKVPS 5 FE	VPS 5 FE	VPS Cooling Tower	VOC	1.64	3.07
			PM	1.17	5.13
			PM_{10}	0.98	4.28
			$PM_{2.5}$	0.01	0.01
FKARU3	ARU3 FE	ARU No. 3 Cooling Tower (5)	VOC	0.11	0.21
			PM	0.08	0.36
			PM_{10}	0.07	0.30
			$PM_{2.5}$	0.01	0.01
FKARU4	ARU 4 FE	ARU No. 4 Cooling Tower (5)	VOC	0.47	0.0.89
			PM	0.34	0.30
			PM_{10}	0.28	0.25
			$PM_{2.5}$	0.01	0.01
CT-ARO	CT-ARO	Aromatics Area Cooling Tower	VOC	1.47	6.44
			PM	0.13	0.58
			PM_{10}	0.11	0.47
			$PM_{2.5}$	0.01	0.01
EDCU2	EDCU2	DCU No. 2 Flare Stack	NO_x	0.03	0.11
			VOC	0.01	0.01
			SO_2	0.01	0.01
			CO	0.18	0.81
EHCU2	HCU NO2FS	HCU No. 2 Flare Stack	NO_x	0.02	0.09
			VOC	0.01	0.01

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			SO_2	0.01	0.01
			CO	0.15	0.64
EVPS5	VPS NO5 FS	VPS No. 5 Flare Stack	NO_x	0.02	0.07
			VOC	0.01	0.01
			SO_2	0.01	0.01
			CO	0.11	0.48
ESBU2	SBU2	SBU2 Flare Stack	NO_x	0.02	0.07
			VOC	0.01	0.01
			SO_2	0.01	0.01
			CO	0.11	0.48
AROFL	AROFL	Flare	VOC	0.27	1.20
			NO_x	2.47	10.82
			CO	17.84	78.13
			SO_2	0.01	0.06
PXRLTO	PXRAIL	Railcar Loading Thermal Oxidizer	VOC	0.15	0.07
			NO_x	0.36	0.27
			CO	1.18	0.89
			SO_2	0.01	0.01
			PM	0.04	0.03
			PM_{10}	0.04	0.03
			$PM_{2.5}$	0.04	0.03
FARU1	ARU 1 FE	ARU No. 1 Fugitive Emissions	VOC	0.30	0.81
			H_2S	0.22	0.96
			NH3	0.01	0.01
FARU2	ARU2 FE	ARU No. 2 Fugitive Emissions	VOC	0.24	0.51
			H_2S	0.11	0.48

Emission Sources - Maximum Allowable Emission Rates

FARU3	ARU 3 FE	ARU No.3 Fugitive Emissions	VOC	0.24	0.54
			H_2S	0.08	0.37
FSWS1	ARU 3 FE	ARU No.3 Fugitive Emissions	VOC	0.03	0.08
			H_2S	0.18	0.79
			NH_3	0.01	0.01
			MDEA	0.04	0.17
FARU4	ARU 4 FE	ARU No.4 Fugitive Emissions	VOC	0.14	0.16
			H_2S	0.04	0.17
FSRU2	SRU 2 FE	SRU No.2 Fugitive Emissions	SO_2	0.01	0.04
			H_2S	0.01	0.05
FSRU3	SRU 3 FE	SRU No.3 Fugitive Emissions	SO_2	0.01	0.04
			H_2S	0.01	0.05
FSRU4	SRU 4 FE	SRU No.4 Fugitive Emissions	SO_2	0.06	0.24
			H_2S	0.06	0.26
FSBU1	FSBU1	Sulfur Block Unit 1 Fugitives	VOC	0.14	0.63
FSWS2	ARU 5 FE	ARU No. 5 Fugitive Emissions	VOC	0.01	0.01
			H_2S	0.25	1.11
			NH_3	0.01	0.01
FARU5	ARU 5 FE	ARU No. 5 Fugitive Emissions	VOC	0.05	0.24
			H_2S	0.07	0.33
FSWS3	ARU 6 FE	ARU No. 6 Fugitive Emissions	VOC	0.01	0.01
			H_2S	0.25	1.11
			NH_3	0.01	0.01
FARU6	ARU 6 FE	ARU No. 6 Fugitive Emissions	VOC	0.04	0.18
			H_2S	0.08	0.37
FVPS5	VPS NO 5 FE	VPS No. 5 Ammonia Fugitives	NH_3	0.03	0.11
FPS4	PS 4 PE	PS 4 Ammonia Fugitives	NH_3	0.03	0.14

Emission Sources - Maximum Allowable Emission Rates

CEP-FUG	Various	Fugitives Group	VOC	50.16	220.04
			SO_2	0.02	2.57
			CO	0.02	8.62
			H_2S	0.72	0.34
			NH_3	0.21	0.90
FTGTU1	TGTU 1 FE	Tail Gas Treating Unit No.1 Incinerator Fugitives	VOC	0.04	0.17
			SO_2	0.01	0.03
			CO	0.01	0.06
			H_2S	0.02	0.08
			MDEA	0.04	0.17
FTGTU2	TGTU 2 FE	Tail Gas Treating Unit No.2 Incinerator Fugitives	VOC	0.20	0.35
			SO_2	0.01	0.03
			CO	0.02	0.07
			H_2S	0.02	0.08
			MDEA	0.04	0.17
SCRU5-1	CRU5INTHT1	#5 CRU Platformer No.1 Intermediate Heater	NO_x	17.33	42.66
			VOC	2.67	2.30
			SO_2	18.44	37.82
			CO	16.94	58.41
			PM	3.69	12.71
			PM_{10}	3.69	12.71
			$PM_{2.5}$	3.69	12.71
SCRU5-2	CRU5INTHT2	#5 CRU Platformer No.2 Intermediate Heater	NO_x	12.39	27.51
			VOC	1.91	1.48
			SO_2	13.19	24.39

Emission Sources - Maximum Allowable Emission Rates

			CO	12.12	37.67
			PM	2.64	8.20
			PM_{10}	2.64	8.20
			$PM_{2.5}$	2.64	8.20
SCRU5-2	CRU5INTHT3	#5 CRU Platformer No.3 Intermediate Heater	NO_x	7.70	21.04
			VOC	1.19	1.13
			SO_2	8.20	18.65
			CO	7.53	28.81
			PM	1.64	6.27
			PM_{10}	1.64	6.27
			$PM_{2.5}$	1.64	6.27
SNHTU2-1	NHTU2CHT	Naphtha Hydrotreater CHG Heater	NO_x	7.25	19.88
			VOC	1.12	2.14
			SO_2	7.71	17.63
			CO	7.09	27.22
			PM	1.54	5.93
			PM_{10}	1.54	5.93
			$PM_{2.5}$	1.54	5.93
SCRU5-1	CRU5PLATHT	#5 CRU Platformer Heater	NO_x	13.93	38.15
			VOC	2.15	2.06
			SO_2	14.83	33.82
			CO	13.62	52.23
			PM	2.97	11.37
			PM_{10}	2.97	11.37
			$PM_{2.5}$	2.97	11.37

Emission Sources - Maximum Allowable Emission Rates

SHCU2-1	HCU2H1A	HCU No.2 1st Stage Charge Set A Heater	NO_x	2.32	6.66
			VOC	0.36	0.72
			SO_2	2.47	5.91
			CO	2.27	9.12
			PM	0.49	1.99
			PM_{10}	0.49	1.99
			$PM_{2.5}$	0.49	1.99
SHCU2-2	HCU2H1B	HCU No.2 1st Stage Charge Set B Heater	NO_x	2.32	6.66
			VOC	0.36	0.72
			SO_2	2.47	5.91
			CO	2.27	9.12
			PM	0.49	1.99
			PM_{10}	0.49	1.99
			$PM_{2.5}$	0.49	1.99
SHCU2-3	HCU2H2	HCU No.2 2nd Charge Heater	NO_x	2.94	8.46
			VOC	0.45	0.91
			SO_2	3.13	7.50
			CO	2.88	11.58
			PM	0.63	2.52
			PM_{10}	0.63	2.52
			$PM_{2.5}$	0.63	2.52

Emission Sources - Maximum Allowable Emission Rates

SHTU6-1	HTU6CHGH1	HTU No.6 Charge Heater	NO_x	3.82	11.06
			VOC	0.59	1.04
			SO_2	4.07	9.89
			CO	3.73	15.16
			PM	0.81	3.32
			PM_{10}	0.81	3.32
			$PM_{2.5}$	0.81	3.32
SHTU6-2	HTU6CHGH2	HTU No.6 Fractionator Reboiler	NO_x	2.51	7.22
			VOC	0.39	0.78
			SO_2	2.67	6.40
			CO	2.46	9.88
			PM	0.53	2.15
			PM_{10}	0.53	2.15
			$PM_{2.5}$	0.53	2.15
SHCU2-6	HCU2DHTH1	HCU No.2 DHT Charge Heater	NO_x	3.13	9.00
			VOC	0.48	0.97
			SO_2	3.34	7.98
			CO	3.07	12.33
			PM	0.67	2.68
			PM_{10}	0.67	2.68
			$PM_{2.5}$	0.67	2.68

Emission Sources - Maximum Allowable Emission Rates

SHCU2-5	SCHCU2-5	HCU No.2 Fractionator Heater	NO_x	16.28	71.28
			VOC	2.51	5.49
			SO_2	17.32	22.57
			CO	15.92	69.72
			PM	3.46	15.18
			PM_{10}	3.46	15.18
			$PM_{2.5}$	3.36	15.18
SDCU2-1	SDCU2-1	Coker Heater No.1	NO_x	9.42	36.58
			VOC	1.45	1.41
			SO_2	10.02	23.16
			CO	9.21	35.77
			PM	2.00	7.79
			PM_{10}	2.00	7.79
			$PM_{2.5}$	2.00	7.79
SDCU2-2	SDCU2-2	Coker Heater No.2	NO_x	9.42	36.58
			VOC	1.45	1.41
			SO_2	10.02	23.16
			CO	9.21	35.77
			PM	2.00	7.79
			PM_{10}	2.00	7.79
			$PM_{2.5}$	2.00	7.79

Emission Sources - Maximum Allowable Emission Rates

SDCU2-3	SDCU2-3	Coker Heater No.3	NO_x	9.42	36.58
			VOC	1.45	1.41
			SO_2	10.02	23.16
			CO	9.21	35.77
			PM	2.00	7.79
			PM_{10}	2.00	7.79
			$PM_{2.5}$	2.00	7.79
SVPS5-1	VPS5H1/2	VPS No.5, No.1/2 Atmospheric Heater	NO_x	14.32	9.65
			VOC	2.21	4.63
			SO_2	15.24	38.02
			CO	14.00	58.72
			PM	3.05	12.78
			PM_{10}	3.05	12.78
			$PM_{2.5}$	3.05	12.78
			NH_3	1.53	6.42
SVPS5-1	VPS5H3/4	VPS No.5, No.3/4 Atmospheric Heater	NO_x	14.32	9.65
			VOC	2.21	4.63
			SO_2	15.24	38.02
			CO	14.00	58.72
			PM	3.05	12.78
			PM_{10}	3.05	12.78
			$PM_{2.5}$	3.05	12.78
			NH_3	1.53	6.42
SVPS5-2	VPS5VAC1HT	VPS No.5, No.1 Vacuum Heater	NO_x	7.56	5.10
			VOC	1.16	2.44

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			SO_2	8.05	20.09
			CO	7.39	31.02
			PM	1.61	6.75
			PM_{10}	1.61	6.75
			$PM_{2.5}$	1.61	6.75
			NH_3	0.81	3.39
SVPS5-2	VPS5VAC2HT	VPS No.5, No.2 Vacuum Heater	NO_x	7.56	5.10
			VOC	1.16	2.44
			SO_2	8.05	20.09
			CO	7.39	31.02
			PM	1.61	6.75
			PM_{10}	1.61	6.75
			$PM_{2.5}$	1.61	6.75
			NH_3	0.81	3.39
SNHTU2-2	NHTU2STRP	Naphtha Hydrotreater Stripper Reboiler	NO_x	6.51	17.92
			VOC	1.00	1.93
			SO_2	6.93	15.89
			CO	6.37	24.53
			PM	1.39	5.34
			PM_{10}	1.39	5.34
			$PM_{2.5}$	1.39	5.34
SNHTU2-3	NHTU2SPLT	Naphtha Hydrotreater Stripper Reboiler	NO_x	10.40	28.32
			VOC	1.60	3.05
			SO_2	11.06	25.11
			CO	10.17	38.78

Emission Sources - Maximum Allowable Emission Rates

			PM	2.21	8.44
			PM_{10}	2.21	8.44
			$PM_{2.5}$	2.21	8.44
STGTU1-2	STGTU1-2	Hot Oil Heater	NO_x	0.53	1.21
			VOC	0.03	0.07
			SO_2	0.20	0.27
			CO	0.43	1.00
			PM	0.04	0.09
			PM_{10}	0.04	0.09
			$PM_{2.5}$	0.04	0.09
STGTU2-2	STGTU2-2	Hot Oil Heater	NO_x	3.12	13.67
			VOC	0.17	0.74
			SO_2	1.16	3.03
			CO	2.57	11.25
			PM	0.23	1.02
			PM_{10}	0.23	1.02
			$PM_{2.5}$	0.23	1.02

Emission Sources - Maximum Allowable Emission Rates

SARO1-13	SARO1-1	A8 Rerun Heater	VOC	1.91	8.35
			NO_x	2.15	9.40
			CO	13.07	57.24
			PM	1.97	8.65
			PM_{10}	1.97	8.65
			$PM_{2.5}$	1.97	8.65
			SO_2	0.33	1.17
			NH_3	1.43	6.26
SARO1-13	SARO1-3	Isomar Charge Heater	VOC	1.19	5.21
			NO_x	1.34	5.86
			CO	8.15	35.70
			PM	1.23	5.39
			PM_{10}	1.23	5.39
			$PM_{2.5}$	1.23	5.39
			SO_2	0.20	0.73
			NH_3	0.89	3.90
SARO1-2	SARO1-2A	Raffinate Column Heater A	VOC	3.80	16.65
			NO_x	4.28	18.76
			CO	26.07	114.19
			PM	3.94	17.25
			PM_{10}	3.94	17.25
			$PM_{2.5}$	3.94	17.25
			SO_2	0.65	2.33
			NH_3	2.85	12.48
SARO1-2	SARO1-2B	Raffinate Column Heater B	VOC	3.80	16.65

Emission Sources - Maximum Allowable Emission Rates

			NO_x	4.28	18.76
			CO	26.07	114.19
			PM	3.94	17.25
			PM_{10}	3.94	17.25
			$PM_{2.5}$	3.94	17.25
			SO_2	0.65	2.33
			NH_3	2.85	12.48
SARO1-4	SARO1-4	Tatoray Charge Heater	VOC	0.63	2.77
			NO_x	4.11	12.84
			CO	4.34	19.00
			PM	0.66	2.87
			PM_{10}	0.66	2.87
			$PM_{2.5}$	0.66	2.87
			SO_2	0.11	0.39
SHTU6-3	SHTU6-3	CFH Prefractionation Heater	VOC	0.43	1.89
			NO_x	2.80	8.76
			CO	2.96	12.96
			PM	0.45	1.96
			PM_{10}	0.45	1.96
			$PM_{2.5}$	0.45	1.96
			SO_2	2.36	3.18
SCRU5-3	CRU5-CCR	Regen Vent Scrubber Emissions	NO_x	2.28	10.00
			SO_2	1.59	6.96
			PM	0.13	0.59
			PM_{10}	0.13	0.59

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			$PM_{2.5}$	0.13	0.59
			HCl	0.07	0.30
			Cl_2	0.01	0.06
SSSCRUB	SLD	Sulfur Loading	H_2S	0.16	0.71
			SO_2	0.31	1.34
POSCEPMN	POSCEPMN	Maintenance Group After CEP (6)	NO_x	1,061.43	30.06
			VOC	3,933.30	97.33
			SO_2	806.78	44.99
			CO	3,091.26	126.70
			PM	66.98	1.51
			PM_{10}	66.98	1.51
			$PM_{2.5}$	66.98	1.51
			H_2SO_4	8.00	0.32
			H_2S	29.42	0.44
			NH_3	13.84	0.43
CGNGRP	CGNGRP	Cogen Unit Group(6)	NO_x	74.21	272.81
			VOC	10.64	39.55
			SO_2	56.00	161.45
			CO	117.82	516.03
			PM	101.87	391.33
			PM_{10}	25.00	92.00
			$PM_{2.5}$	25.00	92.00
			H_2SO_4	32.00	58.69
			NH_3	29.83	113.39
TNKGRP	TNKGRP	Tank Group (6)	VOC	69.00	40.20

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SRUGRP	SRUGRP	SRU Incinerators Group (6)	NO_x	29.15	109.56
			VOC	1.86	7.08
			SO_2	162.45	711.53
			CO	56.86	236.54
			PM	2.58	9.78
			PM_{10}	2.58	9.78
			$PM_{2.5}$	2.58	9.78
SPS-LOV1	GTG41-LOV	Power Station No.4 Lube Oil Vent 1 (5)	PM	0.05	0.22
			PM_{10}	0.05	0.22
			$PM_{2.5}$	0.05	0.22
SPS4-1	GTG41	Power Station No.4 Cogen Unit 1	NO_x	15.22	62.87
			VOC	2.12	8.75
			SO_2	16.60	32.48
			CO	27.80	114.81
			PM	26.62	100.65
			PM_{10}	26.62	100.65
			$PM_{2.5}$	26.62	100.65
			H_2SO_4	9.41	18.40
			NH_3	7.88	27.88
SPS-LOV2	GTG42-LOV	Power Station No.4 Lube Oil Vent 2 (5)	PM	0.05	0.22
			PM_{10}	0.05	0.22
			$PM_{2.5}$	0.05	0.22

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SPS4-2	GTG42	Power Station No.4 Cogen Unit 2	NO_x	15.22	62.87
			VOC	2.12	8.75
			SO_2	16.60	32.48
			CO	27.80	114.81
			PM	26.62	100.65
			PM_{10}	26.62	100.65
			$PM_{2.5}$	26.62	100.65
			H_2SO_4	9.41	18.40
			NH_3	7.88	27.88
SPS-LOV3	GTG43-LOV	Power Station No.4 Lube Oil Vent 3 (5)	PM	0.05	0.22
			PM_{10}	0.05	0.22
			$PM_{2.5}$	0.05	0.22
SPS4-3	GTG43	Power Station No.4 Cogen Unit 3	NO_x	15.22	62.87
			VOC	2.12	8.75
			SO_2	16.60	32.48
			CO	27.80	114.81
			PM	26.62	100.65
			PM_{10}	26.62	100.65
			$PM_{2.5}$	26.62	100.65
			H_2SO_4	9.41	18.40
			NH_3	7.88	27.88
SPS-LOV4	GTG44-LOV	Power Station No.4 Lube Oil Vent 4 (5)	PM	0.05	0.22
			PM_{10}	0.05	0.22
			$PM_{2.5}$	0.05	0.22
SPS4-4	GTG44	Power Station No.4 Cogen Unit 4	NO_x	15.22	62.87
			VOC	2.12	8.75

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			SO_2	16.60	32.48
			CO	27.80	114.81
			PM	26.62	100.65
			PM_{10}	26.62	100.65
			$PM_{2.5}$	26.62	100.65
			H_2SO_4	9.41	18.40
			NH_3	7.88	27.88
SPS4-6	Boiler 46	Power Boiler 46	NO_x	20.86	39.16
			VOC	3.21	7.04
			SO_2	22.20	57.86
			CO	20.40	89.36
			PM	4.44	19.45
			PM_{10}	4.44	19.45
			$PM_{2.5}$	4.44	19.45
			NH_3	2.23	9.77
AROGEN	AROGEN	Generator	VOC	1.15	0.06
			NO_x	4.06	0.20
			CO	21.22	1.06
			SO_2	0.08	0.01
			PM	0.18	0.01
			PM_{10}	0.18	0.01
			$PM_{2.5}$	0.18	0.01
TKAROFEED	TKAROFEED	Purchased Feed Tank	VOC	1.02	2.63
502TK4X	502TK4X	Paraxylene Tank 1	VOC	0.71	0.91
502TK5X	502TK5X	Paraxylene Tank 2	VOC	0.71	0.91
502TK6X	502TK6X	Paraxylene Tank 3	VOC	0.71	0.91
502TK7X	502TK7X	Paraxylene Tank 4	VOC	0.71	0.91

Emission Sources - Maximum Allowable Emission Rates

T-5402A	T-5402A	Benzene Day Tank A	VOC	0.53	1.16
T-5402B	T-5402B	Benzene Day Tank B	VOC	0.53	1.16
T-5201A	T-5201A	Paraxylene Day Tank A	VOC	0.28	1.01
T-5201B	T-5201B	Paraxylene Day Tank B	VOC	0.28	1.01
T-3102	T3102	Plant Inventory Tank	VOC	1.19	3.58
T-3103	T-3103	Wet Solvent Tank	VOC	0.05	0.16
TKAROMSW1	TKAROMSW1	Stormwater Tank1	VOC	0.01	0.01
TKAROMSW2	TKAROMSW2	Stormwater Tank 2	VOC	0.01	0.01
TKDIESGEN	TKDIESGEN	Diesel Tank	VOC	0.01	0.01
TKBENST	TKBENST	Benzene Equal. Tank	VOC	1.82	5.16
TK2072-N	TK2072-N	Resid Tank	VOC	23.46	11.19
TK2073	TK2073	Storage TK2073	VOC	8.41	0.11
TK2074	TK2074	Storage TK2074	VOC	8.41	0.11
TK2093	TK2093	Storage TK2093	VOC	11.89	9.03
TK2094	TK2094	Storage TK2094	VOC	6.55	6.32
TK2085	TK2085	Storage TK2085	VOC	8.68	0.06
TK2097	TK2097	Storage TK2097	VOC	1.64	6.26
TK2096	TK2096	Storage TK2096	VOC	1.64	6.26
TK2069	TK2069	Storage TK2069	VOC	4.60	11.39
TK2067	TK2067	Storage TK 2067	VOC	4.60	11.39
TK2068	TK2068	Storage TK 2068	VOC	4.60	11.39
TK2110	TK2110	DCU Quench Water Tank	VOC	0.01	0.10
TK2111	TK2111	Refinery Waste Tank	VOC	0.70	0.19
TK2145	TK2145	Storage TK2145	VOC	1.14	4.17
TK1928	TK1928	Molten Sulfur Storage Tank	H_2S	0.05	0.22
			SO_2	1.15	5.03
TK1930	TK1930	Amine Surge Tank 1930	VOC	0.07	0.01

Emission Sources - Maximum Allowable Emission Rates

			H_2S	0.01	0.02
			NH_3	0.01	0.01
TK1937	TK1937	Resid Tank	VOC	8.57	2.50
004TK001	004TK001	Storage Tank 004TK	VOC	0.03	0.01
208TK38629	TK38629	Storage Tank 208TK38629	VOC	24.85	2.73
295TK100	295TK100	Crude Tank 1	VOC	10.19	(7)
			H_2S	0.22	(7)
295TK110	295TK110	Crude Tank 2	VOC	10.19	(7)
			H_2S	0.22	(7)
295TK120	295TK120	Crude Tank 3	VOC	10.19	(7)
			H_2S	0.22	(7)
295TK130	295TK130	Crude Tank 4	VOC	10.19	(7)
			H_2S	0.22	(7)
295TK140	295TK140	Crude Tank 5	VOC	10.19	(7)
			H_2S	0.22	(7)
295TK150	295TK150	Crude Tank 6	VOC	10.19	(7)
			H_2S	0.22	(7)
295TK160	295TK160	Crude Tank 7	VOC	10.19	(7)
			H_2S	0.22	(7)
Crude Tank Cap		Crude Tank Cap	VOC	(7)	65.14
			H_2S	(7)	1.51
CRUDETF	CRUDETF	Crude Tank Area Fugitives (5)	VOC	1.70	7.47
			H_2S	0.04	0.17
NTKLD-C	(8)	Controlled MSS emissions	VOC	9.62	0.44
			H_2S	0.21	0.01
			NO_X	1.92	0.09
			CO	1.42	0.07

Emission Sources - Maximum Allowable Emission Rates

			SO_2	39.81	1.45
			PM	0.14	0.01
			PM_{10}	0.14	0.01
			$PM_{2.5}$	0.14	0.01
NTKLD-UC	(8)	Uncontrolled MSS emissions	VOC	86.24	1.17
			H_2S	1.90	0.03
STGTU5-1	STGTU5-1	SRU5/TGTU5 Incinerator	NO_x	5.22	22.85
			VOC	0.35	1.54
			SO_2	71.11	311.47
			CO	12.44	54.51
			PM	0.49	2.13
			PM_{10}	0.49	2.13
			$PM_{2.5}$	0.49	2.13
STGTU6-1	STGTU6-1	SRU6/TGTU6 Incinerator	NO_x	5.22	22.85
			VOC	0.35	1.54
			SO_2	71.11	311.47
			CO	12.44	54.51
			PM	0.49	2.13
			PM_{10}	0.49	2.13
			$PM_{2.5}$	0.49	2.13
STGTU7-1	STGTU7-1	SRU7/TGTU7 Incinerator	NO_x	5.22	22.85
			VOC	0.35	1.54
			SO_2	71.11	311.47
			CO	12.44	54.51
			PM	0.49	2.13
			PM_{10}	0.49	2.13
			$PM_{2.5}$	0.49	2.13

Emission Sources - Maximum Allowable Emission Rates

FPS3	PS No 3 FE	Power Station No.3 Fugitive Emissions	VOC	2.24	9.80
			NH_3	0.03	0.14
STGTU1-1	TGTUINCINR	SRU1/TGTU1 Incinerator	NO_x	6.00	18.22
			VOC	0.40	1.23
			SO_2	62.22	236.83
			CO	10.89	41.45
			PM	0.56	1.70
			PM_{10}	0.56	1.70
			$PM_{2.5}$	0.56	1.70
STGTU2-1	STGTU2-1	SRU2/TGTU1 Incinerator	NO_x	7.50	22.78
			VOC	0.40	1.23
			SO_2	62.22	236.83
			CO	10.89	41.45
			PM	0.56	1.70
			PM_{10}	0.56	1.70
			$PM_{2.5}$	0.56	1.70
SPS3-4	SPS3-4	Boiler 34 (Normal and MSS Operation)	NO_x	117.40	514.20
			VOC	3.20	14.10
			SO_2	32.90	72.20
			CO	49.00	214.60
			PM_{10}	8.19	22.40
			$PM_{2.5}$	8.19	22.40
SPS3-5	SPS3-5	Boiler 35 (Normal and MSS operation)	NO_x	117.40	514.20
			VOC	3.20	14.10
			SO_2	32.90	72.20
			CO	49.00	214.60

Emission Sources - Maximum Allowable Emission Rates

			PM_{10}	8.19	22.40
			$PM_{2.5}$	8.19	22.40

(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
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
Cl_2 - chlorine
H_2S - hydrogen sulfide
NH_3 - ammonia
(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) Refer to Attachment 10 – Emission Groups for the specific EPNs, Facility Identification Numbers and source names included in each group.

Date: May 7, 2021