

# Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 6056, PSDTX1062M2, GHGPSDTX121, 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 <sub>10</sub>	1.76	1.76
			PM <sub>2.5</sub>	1.76	1.76
			SO <sub>2</sub>	0.02	0.02
			H <sub>2</sub> S	3.63	3.63
FCOKE2	COKE 2FE	DCU Coke Handling (5)	PM	0.01	0.01
			PM <sub>10</sub>	0.01	0.01
			PM <sub>2.5</sub>	0.01	0.01
FCOKE X	COKE X FE	Coke Stockpile Surge Pad (5)	PM	0.33	1.45
			PM <sub>10</sub>	0.17	0.72
			PM <sub>2.5</sub>	0.17	0.72
FKCRU5 FE	CRU5 FE	#5 CRU Cooling Tower	VOC	2.31	4.34
			PM	1.24	5.42
			PM <sub>10</sub>	1.03	4.53
			PM <sub>2.5</sub>	0.01	0.02
			Benzene	0.01	0.01
			Cl <sub>2</sub>	0.28	1.25
FKDCU2 FE	DCU2 FE	DCU 2 Cooling Tower	VOC	1.71	3.21
			PM	0.92	4.02
			PM <sub>10</sub>	0.77	3.35

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			PM <sub>2.5</sub>	0.01	0.01
			Benzene	0.01	0.01
			Cl <sub>2</sub>	0.21	0.92
FKPS 4 FE	PS 4 FE	Power Station Cooling Tower	PM	0.17	0.74
			PM <sub>10</sub>	0.14	0.62
			PM <sub>2.5</sub>	0.01	0.01
			Cl <sub>2</sub>	0.04	0.17
FKVPS 5 FE	VPS 5 FE	VPS Cooling Tower	VOC	1.64	3.07
			PM	0.88	3.85
			PM <sub>10</sub>	0.73	3.21
			PM <sub>2.5</sub>	0.01	0.01
			Benzene	0.01	0.01
			Cl <sub>2</sub>	0.20	0.88
FKARU4	ARU 4 FE	ARU No. 4 Cooling Tower (5)	VOC	0.01	0.04
			PM	0.06	0.27
			PM <sub>10</sub>	0.05	0.22
			PM <sub>2.5</sub>	0.01	0.01
			Benzene	0.01	0.01
			Cl <sub>2</sub>	0.01	0.06
EDCU2	EDCU2	DCU No. 2 Flare Stack	NO <sub>x</sub>	0.03	0.11
			VOC	0.01	0.01
			SO <sub>2</sub>	0.01	0.01
			CO	0.18	0.81
EHCU2	HCU NO2FS	HCU No. 2 Flare Stack	NO <sub>x</sub>	0.02	0.09
			VOC	0.01	0.01
			SO <sub>2</sub>	0.01	0.01
			CO	0.15	0.64

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EVPS5	VPS NO5 FS	VPS No. 5 Flare Stack	NO <sub>x</sub>	0.02	0.07
			VOC	0.01	0.01
			SO <sub>2</sub>	0.01	0.01
			CO	0.11	0.48
ESBU2	SBU2	SBU2 Flare Stack	NO <sub>x</sub>	0.02	0.07
			VOC	0.01	0.01
			SO <sub>2</sub>	0.01	0.01
			CO	0.11	0.48
FARU1	ARU 1 FE	ARU No. 1 Fugitive Emissions	VOC	0.14	0.63
			Benzene	0.01	0.01
			H <sub>2</sub> S	0.22	0.96
			NH <sub>3</sub>	0.01	0.01
FARU2	ARU2 FE	ARU No. 2 Fugitive Emissions	VOC	0.08	0.33
			Benzene	0.01	0.01
			H <sub>2</sub> S	0.11	0.48
FARU3	ARU 3 FE	ARU No.3 Fugitive Emissions	VOC	0.08	0.36
			Benzene	0.01	0.01
			H <sub>2</sub> S	0.08	0.37
FSWS1	ARU 3 FE	ARU No.3 Fugitive Emissions	VOC	0.01	0.01
			H <sub>2</sub> S	0.16	0.72
			NH <sub>3</sub>	0.01	0.01
FARU4	ARU 4 FE	ARU No.4 Fugitive Emissions	VOC	0.14	0.16
			Benzene	0.01	0.01
			H <sub>2</sub> S	0.04	0.17
FSRU2	SRU 2 FE	SRU No.2 Fugitive Emissions	SO <sub>2</sub>	0.01	0.04
			H <sub>2</sub> S	0.01	0.05
FSRU3	SRU 3 FE	SRU No.3 Fugitive Emissions	SO <sub>2</sub>	0.01	0.04

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			H <sub>2</sub> S	0.01	0.05
FSRU4	SRU 4 FE	SRU No.4 Fugitive Emissions	SO <sub>2</sub>	0.06	0.24
			H <sub>2</sub> S	0.06	0.26
FSWS2	ARU 5 FE	ARU No. 5 Fugitive Emissions	VOC	0.01	0.01
			H <sub>2</sub> S	0.25	1.11
			NH <sub>3</sub>	0.01	0.01
FARU5	ARU 5 FE	ARU No. 5 Fugitive Emissions	VOC	0.05	0.24
			H <sub>2</sub> S	0.07	0.33
FSWS3	ARU 6 FE	ARU No. 6 Fugitive Emissions	VOC	0.01	0.01
			H <sub>2</sub> S	0.25	1.11
			NH <sub>3</sub>	0.01	0.01
FARU6	ARU 6 FE	ARU No. 6 Fugitive Emissions	VOC	0.04	0.18
			H <sub>2</sub> S	0.08	0.37
FVPS5	VPS NO 5 FE	VPS No. 5 Ammonia Fugitives	NH <sub>3</sub>	0.03	0.11
FPS4	PS 4 PE	PS 4 Ammonia Fugitives	NH <sub>3</sub>	0.03	0.14
CEP-FUG	Various	Fugitives Group	VOC	35.41	155.56
			SO <sub>2</sub>	0.02	0.28
			CO	0.02	0.09
			Benzene	0.05	0.23
			H <sub>2</sub> S	0.08	0.34
			NH <sub>3</sub>	0.01	0.01
FTGTU1	TGTU 1 FE	Tail Gas Treating Unit No.1 Incinerator Fugitives	SO <sub>2</sub>	0.01	0.03
			CO	0.01	0.06
			H <sub>2</sub> S	0.01	0.06
FTGTU2	TGTU 2 FE	Tail Gas Treating Unit No.2 Incinerator Fugitives	SO <sub>2</sub>	0.01	0.03
			CO	0.02	0.07
			H <sub>2</sub> S	0.01	0.07

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SCRU5-1	CRU5INTHT1	#5 CRU Platformer No.1 Intermediate Heater	NO <sub>x</sub>	17.33	42.66
			VOC	2.67	2.30
			SO <sub>2</sub>	18.44	37.82
			CO	16.94	58.41
			PM	3.69	12.71
			PM <sub>10</sub>	3.69	12.71
			PM <sub>2.5</sub>	3.69	12.71
SCRU5-2	CRU5INTHT2	#5 CRU Platformer No.2 Intermediate Heater	NO <sub>x</sub>	12.39	27.51
			VOC	1.91	1.48
			SO <sub>2</sub>	13.19	24.39
			CO	12.12	37.67
			PM	2.64	8.20
			PM <sub>10</sub>	2.64	8.20
			PM <sub>2.5</sub>	2.64	8.20
SCRU5-2	CRU5INTHT3	#5 CRU Platformer No.3 Intermediate Heater	NO <sub>x</sub>	7.70	21.04
			VOC	1.19	1.13
			SO <sub>2</sub>	8.20	18.65
			CO	7.53	28.81
			PM	1.64	6.27
			PM <sub>10</sub>	1.64	6.27
			PM <sub>2.5</sub>	1.64	6.27

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SNHTU2-1	NHTU2CHT	Naphtha Hydrotreater CHG Heater	NO <sub>x</sub>	7.25	19.88
			VOC	1.12	2.14
			SO <sub>2</sub>	7.71	17.63
			CO	7.09	27.22
			PM	1.54	5.93
			PM <sub>10</sub>	1.54	5.93
			PM <sub>2.5</sub>	1.54	5.93
SCRU5-1	CRU5PLATHT	#5 CRU Platformer Heater	NO <sub>x</sub>	13.93	38.15
			VOC	2.15	2.06
			SO <sub>2</sub>	14.83	33.82
			CO	13.62	52.23
			PM	2.97	11.37
			PM <sub>10</sub>	2.97	11.37
			PM <sub>2.5</sub>	2.97	11.37
SHCU2-1	HCU2H1A	HCU No.2 1 <sup>st</sup> Stage Charge Set A Heater	NO <sub>x</sub>	2.32	6.66
			VOC	0.36	0.72
			SO <sub>2</sub>	2.47	5.91
			CO	2.27	9.12
			PM	0.49	1.99
			PM <sub>10</sub>	0.49	1.99
			PM <sub>2.5</sub>	0.49	1.99

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SHCU2-2	HCU2H1B	HCU No.2 1 <sup>st</sup> Stage Charge Set B Heater	NO <sub>x</sub>	2.32	6.66
			VOC	0.36	0.72
			SO <sub>2</sub>	2.47	5.91
			CO	2.27	9.12
			PM	0.49	1.99
			PM <sub>10</sub>	0.49	1.99
			PM <sub>2.5</sub>	0.49	1.99
SHCU2-3	HCU2H2	HCU No.2 2 <sup>nd</sup> Charge Heater	NO <sub>x</sub>	2.94	8.46
			VOC	0.45	0.91
			SO <sub>2</sub>	3.13	7.50
			CO	2.88	11.58
			PM	0.63	2.52
			PM <sub>10</sub>	0.63	2.52
			PM <sub>2.5</sub>	0.63	2.52
SHTU6-1	HTU6CHGH1	HTU No.6 Charge Heater	NO <sub>x</sub>	3.29	9.46
			VOC	0.51	1.02
			SO <sub>2</sub>	3.51	8.39
			CO	3.22	12.96
			PM	0.70	2.82
			PM <sub>10</sub>	0.70	2.82
			PM <sub>2.5</sub>	0.70	2.82

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SHTU6-2	HTU6CHGH2	HTU No.6 Fractionator Reboiler	NO <sub>x</sub>	2.51	7.22
			VOC	0.39	0.78
			SO <sub>2</sub>	2.67	6.40
			CO	2.46	9.88
			PM	0.53	2.15
			PM <sub>10</sub>	0.53	2.15
			PM <sub>2.5</sub>	0.53	2.15
SHCU2-6	HCU2DHHT1	HCU No.2 DHT Charge Heater	NO <sub>x</sub>	3.13	9.00
			VOC	0.48	0.97
			SO <sub>2</sub>	3.34	7.98
			CO	3.07	12.33
			PM	0.67	2.68
			PM <sub>10</sub>	0.67	2.68
			PM <sub>2.5</sub>	0.67	2.68
SHCU2-5	SCHCU2-5	HCU No.2 Fractionator Heater	NO <sub>x</sub>	15.59	62.69
			VOC	2.40	4.83
			SO <sub>2</sub>	16.59	39.70
			CO	15.25	61.31
			PM	3.32	13.35
			PM <sub>10</sub>	3.32	13.35
			PM <sub>2.5</sub>	3.32	13.35



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SDCU2-1	SDCU2-1	Coker Heater No.1	NO <sub>x</sub>	9.42	36.58
			VOC	1.45	1.41
			SO <sub>2</sub>	10.02	23.16
			CO	9.21	35.77
			PM	2.00	7.79
			PM <sub>10</sub>	2.00	7.79
			PM <sub>2.5</sub>	2.00	7.79
SDCU2-2	SDCU2-2	Coker Heater No.2	NO <sub>x</sub>	9.42	36.58
			VOC	1.45	1.41
			SO <sub>2</sub>	10.02	23.16
			CO	9.21	35.77
			PM	2.00	7.79
			PM <sub>10</sub>	2.00	7.79
			PM <sub>2.5</sub>	2.00	7.79
SDCU2-3	SDCU2-3	Coker Heater No.3	NO <sub>x</sub>	9.42	36.58
			VOC	1.45	1.41
			SO <sub>2</sub>	10.02	23.16
			CO	9.21	35.77
			PM	2.00	7.79
			PM <sub>10</sub>	2.00	7.79
			PM <sub>2.5</sub>	2.00	7.79

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SVPS5-1	VPS5H1/2	VPS No.5, No.1/2 Atmospheric Heater	NO <sub>x</sub>	14.32	9.65
			VOC	2.21	4.63
			SO <sub>2</sub>	15.24	38.02
			CO	14.00	58.72
			PM	3.05	12.78
			PM <sub>10</sub>	3.05	12.78
			PM <sub>2.5</sub>	3.05	12.78
			NH <sub>3</sub>	1.53	6.42
SVPS5-1	VPS5H3/4	VPS No.5, No.3/4 Atmospheric Heater	NO <sub>x</sub>	14.32	9.65
			VOC	2.21	4.63
			SO <sub>2</sub>	15.24	38.02
			CO	14.00	58.72
			PM	3.05	12.78
			PM <sub>10</sub>	3.05	12.78
			PM <sub>2.5</sub>	3.05	12.78
			NH <sub>3</sub>	1.53	6.42
SVPS5-2	VPS5VAC1HT	VPS No.5, No.1 Vacuum Heater	NO <sub>x</sub>	7.56	5.10
			VOC	1.16	2.44
			SO <sub>2</sub>	8.05	20.09
			CO	7.39	31.02
			PM	1.61	6.75
			PM <sub>10</sub>	1.61	6.75
			PM <sub>2.5</sub>	1.61	6.75
			NH <sub>3</sub>	0.81	3.39

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SVPS5-2	VPS5VAC2HT	VPS No.5, No.2 Vacuum Heater	NO <sub>x</sub>	7.56	5.10
			VOC	1.16	2.44
			SO <sub>2</sub>	8.05	20.09
			CO	7.39	31.02
			PM	1.61	6.75
			PM <sub>10</sub>	1.61	6.75
			PM <sub>2.5</sub>	1.61	6.75
			NH <sub>3</sub>	0.81	3.39
SNHTU2-2	NHTU2STRP	Naphtha Hydrotreater Stripper Reboiler	NO <sub>x</sub>	6.51	17.92
			VOC	1.00	1.93
			SO <sub>2</sub>	6.93	15.89
			CO	6.37	24.53
			PM	1.39	5.34
			PM <sub>10</sub>	1.39	5.34
			PM <sub>2.5</sub>	1.39	5.34
SNHTU2-3	NHTU2SPLT	Naphtha Hydrotreater Stripper Reboiler	NO <sub>x</sub>	10.40	28.32
			VOC	1.60	3.05
			SO <sub>2</sub>	11.06	25.11
			CO	10.17	38.78
			PM	2.21	8.44
			PM <sub>10</sub>	2.21	8.44
			PM <sub>2.5</sub>	2.21	8.44

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STGTU1-2	STGTU1-2	Hot Oil Heater	NO <sub>x</sub>	0.53	1.21
			VOC	0.03	0.07
			SO <sub>2</sub>	0.20	0.27
			CO	0.43	1.00
			PM	0.04	0.09
			PM <sub>10</sub>	0.04	0.09
			PM <sub>2.5</sub>	0.04	0.09
STGTU2-2	STGTU2-2	Hot Oil Heater	NO <sub>x</sub>	3.12	13.67
			VOC	0.17	0.74
			SO <sub>2</sub>	1.16	3.03
			CO	2.57	11.25
			PM	0.23	1.02
			PM <sub>10</sub>	0.23	1.02
			PM <sub>2.5</sub>	0.23	1.02
SCRU5-3	CRU5-CCR	Regen Vent Scrubber Emissions	NO <sub>x</sub>	2.28	10.00
			SO <sub>2</sub>	1.59	6.96
			PM	0.13	0.59
			PM <sub>10</sub>	0.13	0.59
			PM <sub>2.5</sub>	0.13	0.59
			HCl	0.07	0.30
			Cl <sub>2</sub>	0.01	0.06
SSSCRUB	SLD	Sulfur Loading	H <sub>2</sub> S	0.16	0.71
			SO <sub>2</sub>	0.31	1.34

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POSCEPMN	POSCEPMN	Maintenance Group After CEP (6)	NO <sub>x</sub>	899.31	18.37
			VOC	3149.82	75.97
			SO <sub>2</sub>	774.81	18.60
			CO	2755.98	71.30
			PM	66.98	1.51
			PM <sub>10</sub>	66.98	1.51
			PM <sub>2.5</sub>	66.98	1.51
			Benzene	4.15	0.30
			H <sub>2</sub> SO <sub>4</sub>	8.00	0.32
			H <sub>2</sub> S	29.09	0.35
			NH <sub>3</sub>	13.81	0.43
CGNGRP	CGNGRP	Cogen Unit Group(6)	NO <sub>x</sub>	74.21	272.81
			VOC	10.64	39.55
			SO <sub>2</sub>	78.68	161.45
			CO	117.82	516.03
			PM	101.87	391.33
			PM <sub>10</sub>	101.87	391.33
			PM <sub>2.5</sub>	101.87	391.33
			H <sub>2</sub> SO <sub>4</sub>	32.00	58.69
			NH <sub>3</sub>	29.83	113.39
TNKGRP	TNKGRP	Tank Group (6)	VOC	69.00	40.20
			Benzene	0.03	0.07

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SRUGRP	SRUGRP	SRU Incinerators Group (6)	NO <sub>x</sub>	29.15	109.56
			VOC	1.86	7.08
			SO <sub>2</sub>	324.90	1351.64
			CO	56.86	236.54
			PM	2.58	9.78
			PM <sub>10</sub>	2.58	9.78
			PM <sub>2.5</sub>	2.58	9.78
SPS-LOV1	GTG41-LOV	Power Station No.4 Lube Oil Vent 1 (5)	PM	0.05	0.22
			PM <sub>10</sub>	0.05	0.22
			PM <sub>2.5</sub>	0.05	0.22
SPS4-1	GTG41	Power Station No.4 Cogen Unit 1	NO <sub>x</sub>	15.22	62.87
			VOC	2.12	8.75
			SO <sub>2</sub>	16.60	32.48
			CO	27.80	114.81
			PM	26.62	100.65
			PM <sub>10</sub>	26.62	100.65
			PM <sub>2.5</sub>	26.62	100.65
			H <sub>2</sub> SO <sub>4</sub>	9.41	18.40
			NH <sub>3</sub>	7.88	27.88
SPS-LOV2	GTG42-LOV	Power Station No.4 Lube Oil Vent 2 (5)	PM	0.05	0.22
			PM <sub>10</sub>	0.05	0.22
			PM <sub>2.5</sub>	0.05	0.22

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SPS4-2	GTG42	Power Station No.4 Cogen Unit 2	NO <sub>x</sub>	15.22	62.87
			VOC	2.12	8.75
			SO <sub>2</sub>	16.60	32.48
			CO	27.80	114.81
			PM	26.62	100.65
			PM <sub>10</sub>	26.62	100.65
			PM <sub>2.5</sub>	26.62	100.65
			H <sub>2</sub> SO <sub>4</sub>	9.41	18.40
			NH <sub>3</sub>	7.88	27.88
SPS-LOV3	GTG43-LOV	Power Station No.4 Lube Oil Vent 3 (5)	PM	0.05	0.22
			PM <sub>10</sub>	0.05	0.22
			PM <sub>2.5</sub>	0.05	0.22
SPS4-3	GTG43	Power Station No.4 Cogen Unit 3	NO <sub>x</sub>	15.22	62.87
			VOC	2.12	8.75
			SO <sub>2</sub>	16.60	32.48
			CO	27.80	114.81
			PM	26.62	100.65
			PM <sub>10</sub>	26.62	100.65
			PM <sub>2.5</sub>	26.62	100.65
			H <sub>2</sub> SO <sub>4</sub>	9.41	18.40
			NH <sub>3</sub>	7.88	27.88
SPS-LOV4	GTG44-LOV	Power Station No.4 Lube Oil Vent 4 (5)	PM	0.05	0.22
			PM <sub>10</sub>	0.05	0.22
			PM <sub>2.5</sub>	0.05	0.22

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SPS4-4	GTG44	Power Station No.4 Cogen Unit 4	NO <sub>x</sub>	15.22	62.87
			VOC	2.12	8.75
			SO <sub>2</sub>	16.60	32.48
			CO	27.80	114.81
			PM	26.62	100.65
			PM <sub>10</sub>	26.62	100.65
			PM <sub>2.5</sub>	26.62	100.65
			H <sub>2</sub> SO <sub>4</sub>	9.41	18.40
			NH <sub>3</sub>	7.88	27.88
SPS4-6	Boiler 46	Power Boiler 46	NO <sub>x</sub>	20.86	39.16
			VOC	3.21	7.04
			SO <sub>2</sub>	22.20	57.86
			CO	20.40	89.36
			PM	4.44	19.45
			PM <sub>10</sub>	4.44	19.45
			PM <sub>2.5</sub>	4.44	19.45
			NH <sub>3</sub>	2.23	9.77
TK2073	TK2073	Storage TK2073	VOC	8.41	0.11
			Benzene	0.01	0.01
TK2074	TK2074	Storage TK2074	VOC	8.41	0.11
			Benzene	0.01	0.01
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
			Benzene	0.01	0.01
TK2097	TK2097	Storage TK2097	VOC	1.64	6.26
			Benzene	0.01	0.03



Emission Sources - Maximum Allowable Emission Rates

TK2096	TK2096	Storage TK2096	VOC	1.64	6.26
			Benzene	0.01	0.03
TK2069	TK2069	Storage TK2069	VOC	4.60	11.39
			Benzene	0.01	0.02
TK2067	TK2067	Storage TK 2067	VOC	4.60	11.39
			Benzene	0.01	0.02
TK2068	TK2068	Storage TK 2068	VOC	4.60	11.39
			Benzene	0.01	0.02
TK2110	TK2110	DCU Quench Water Tank	VOC	0.01	0.10
			Benzene	<0.01	<0.01
TK2111	TK2111	Refinery Waste Tank	VOC	0.70	0.19
TK2145	TK2145	Storage TK2145	VOC	1.14	4.17
			Benzene	0.01	0.01
TK1928	TK1928	Molten Sulfur Storage Tank	H <sub>2</sub> S	0.05	0.22
			SO <sub>2</sub>	1.15	5.03
TK1930	TK1930	Amine Surge Tank 1930	VOC	0.07	0.01
			H <sub>2</sub> S	0.01	0.02
			NH <sub>3</sub>	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

Emission Sources - Maximum Allowable Emission Rates

STGTU5-1	STGTU5-1	SRU5/TGTU5 Incinerator	NO <sub>x</sub>	5.22	22.85
			VOC	0.35	1.54
			SO <sub>2</sub>	71.11	311.47
			CO	12.44	54.51
			PM	0.49	2.13
			PM <sub>10</sub>	0.49	2.13
			PM <sub>2.5</sub>	0.49	2.13
STGTU6-1	STGTU6-1	SRU6/TGTU6 Incinerator	NO <sub>x</sub>	5.22	22.85
			VOC	0.35	1.54
			SO <sub>2</sub>	71.11	311.47
			CO	12.44	54.51
			PM	0.49	2.13
			PM <sub>10</sub>	0.49	2.13
			PM <sub>2.5</sub>	0.49	2.13
STGTU7-1	STGTU7-1	SRU7/TGTU7 Incinerator	NO <sub>x</sub>	5.22	22.85
			VOC	0.35	1.54
			SO <sub>2</sub>	71.11	311.47
			CO	12.44	54.51
			PM	0.49	2.13
			PM <sub>10</sub>	0.49	2.13
			PM <sub>2.5</sub>	0.49	2.13
FPS3	PS No 3 FE	Power Station No.3 Fugitive Emissions	VOC	2.24	9.80
			NH <sub>3</sub>	0.03	0.14

Emission Sources - Maximum Allowable Emission Rates

STGTU1-1	TGTUINCINR	SRU1/TGTU1 Incinerator	NO <sub>x</sub>	6.00	18.22
			VOC	0.40	1.23
			SO <sub>2</sub>	62.22	236.83
			CO	10.89	41.45
			PM	0.56	1.70
			PM <sub>10</sub>	0.56	1.70
			PM <sub>2.5</sub>	0.56	1.70
STGTU2-1	STGTU2-1	SRU2/TGTU1 Incinerator	NO <sub>x</sub>	7.50	22.78
			VOC	0.40	1.23
			SO <sub>2</sub>	62.22	236.83
			CO	10.89	41.45
			PM	0.56	1.70
			PM <sub>10</sub>	0.56	1.70
			PM <sub>2.5</sub>	0.56	1.70
SPS3-4	SPS3-4	Boiler 34 (Normal and MSS Operation)	NO <sub>x</sub>	117.40	514.20
			VOC	3.20	14.10
			SO <sub>2</sub>	32.90	72.20
			CO	49.00	214.60
			PM <sub>10</sub>	12.60	22.40
			PM <sub>2.5</sub>	12.60	22.40
SPS3-5	SPS3-5	Boiler 35 (Normal and MSS operation)	NO <sub>x</sub>	117.40	514.20
			VOC	3.20	14.10
			SO <sub>2</sub>	32.90	72.20
			CO	49.00	214.60
			PM <sub>10</sub>	12.60	22.40
			PM <sub>2.5</sub>	12.60	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.

Emission Sources - Maximum Allowable Emission Rates

- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
CO - carbon monoxide  
Cl<sub>2</sub> - chlorine  
H<sub>2</sub>S - hydrogen sulfide  
NH<sub>3</sub> - 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: February 15, 2019