#### Permit Numbers 19166, HAP10 and PSDTX760M9

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)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		NOx	119.02	459.97
		NO <sub>x</sub> (6)	175.00	
		со	60.13	232.70
		CO (6)	250.00	
	No.1 Gas Turbine 88 MW (ISO) GE Model	VOC	1.75	7.67
7A	PG7111 (EA) with 141.8 MMBtu/hr Duct Burner Firing Hydrogen, Natural Gas,	VOC (6)	1.83	
	Process Gas, Tail Gas	РМ	5.71	25.01
		PM <sub>10</sub>	5.71	25.01
		PM <sub>2.5</sub>	5.71	25.01
		SO <sub>2</sub>	0.83	3.63
		H <sub>2</sub> SO <sub>4</sub>	0.07	0.31
		NO <sub>x</sub>	119.02	459.97
		NO <sub>x</sub> (6)	175.00	
		со	60.13	232.70
		CO (6)	250.00	
	No.2 Gas Turbine 88 MW (ISO) GE Model	VOC	1.75	7.67
7B	PG7111 (EA) with 141.8 MMBtu/hr Duct Burner Firing Hydrogen, Natural Gas,	VOC (6)	1.83	
	Process Gas, Tail Gas	PM	5.71	25.01
		PM <sub>10</sub>	5.71	25.01
		PM <sub>2.5</sub>	5.71	25.01
		SO <sub>2</sub>	0.83	3.63
		H <sub>2</sub> SO <sub>4</sub>	0.07	0.31

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
		NO <sub>x</sub>	119.02	459.97
		NO <sub>x</sub> (6)	175.00	
		СО	60.13	232.70
		CO (6)	250.00	
	No.3 Gas Turbine 88 MW (ISO) GE Model	voc	1.75	7.67
7C	PG7111 (EA) with 141.8 MMBtu/hr Duct Burner Firing Hydrogen, Natural Gas,	VOC (6)	1.83	
	Process Gas, Tail Gas	PM	5.71	25.01
		PM <sub>10</sub>	5.71	25.01
		PM <sub>2.5</sub>	5.71	25.01
		SO <sub>2</sub>	0.83	3.63
		H <sub>2</sub> SO <sub>4</sub>	0.07	0.31
		NOx	132.02	530.05
		NO <sub>x</sub> (6)	175.00	
		СО	59.13	237.08
		CO (6)	250.00	
	No.4 Gas Turbine 88 MW (ISO) GE Model	VOC	1.75	7.67
7D	PG7111 (EA) with 141.8 MMBfu/hr Duct Burner Firing Hydrogen, Natural Gas,	VOC (6)	1.83	
	Process Gas, Tail Gas	PM	5.71	25.01
		PM <sub>10</sub>	5.71	25.01
		PM <sub>2.5</sub>	5.71	25.01
		SO <sub>2</sub>	0.83	3.63
		H <sub>2</sub> SO <sub>4</sub>	0.07	0.31

Emission	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
Point No. (1)			lbs/hour	TPY (4)
		NOx	132.02	530.05
		NO <sub>x</sub> (6)	175.00	
		СО	59.13	237.08
		CO (6)	250.00	
	No.5 Gas Turbine 88 MW (ISO) GE Model	voc	1.75	7.67
7E	PG7111 (EA) with 141.8 MMBtu/hr Duct Burner Firing Hydrogen, Natural Gas,	VOC (6)	1.83	
	Process Gas, Tail Gas	PM	5.71	25.01
		PM <sub>10</sub>	5.71	25.01
		PM <sub>2.5</sub>	5.71	25.01
		SO <sub>2</sub>	0.83	3.63
		H <sub>2</sub> SO <sub>4</sub>	0.07	0.31
		NOx	38.00	166.44
		NO <sub>x</sub> (6)	175.00	
		СО	62.00	271.56
		CO (6)	250.00	
		VOC	0.55	2.41
7G	No.6 Gas Turbine 83 MW (ISO) GE Model PG7121 (EA), No Duct Burner	VOC (6)	0.63	
		PM	5.00	21.90
		PM <sub>10</sub>	5.00	21.90
		PM <sub>2.5</sub>	5.00	21.90
		SO <sub>2</sub>	0.82	3.58
		H <sub>2</sub> SO <sub>4</sub>	0.07	0.30

Emission	Source Name (2)	Air Contaminant	Emission Rates	
Point No. (1)		Name (3)	lbs/hour	TPY (4)
		NOx	12.50	54.75
		NO <sub>x</sub> (6)	22.50	
		СО	25.00	109.50
		CO (6)	84.48	
7F	Dockogo Poilor, 250 MMPTI //br	VOC	1.32	5.80
/ -	Package Boiler, 250 MMBTU/hr	VOC (6)	1.38	
		РМ	1.25	5.48
		PM <sub>10</sub>	1.25	5.48
		PM <sub>2.5</sub>	1.25	5.48
		SO <sub>2</sub>	0.17	0.75
		NO <sub>x</sub>	6.25	27.36
		NO <sub>x</sub> (6)	41.65	
		СО	15.41	67.50
		CO (6)	0.17 0.75 6.25 27.36 41.65	
7H	No 1 Dookogo Doilor, 417 MMDTI I/br	VOC	2.52	10.03
/ [	No.1 Package Boiler, 417 MMBTU/hr		3.12	13.68
		PM <sub>10</sub>	3.12	13.68
		PM <sub>2.5</sub>	3.12	13.68
		SO <sub>2</sub>	0.70	3.05
		NH <sub>3</sub>	3.40	9.92

Emission	Source Name (2)  Air Contaminan Name (3)	Air Contaminant	Emissio	n Rates
Point No. (1)			lbs/hour	TPY (4)
		NOx	6.25	27.36
		NO <sub>x</sub> (6)	41.65	
		СО	15.41 67.5	67.50
		CO (6)	154.20	
71	No. O Dooko no Doiley 447 MMDTU/by	voc	2.52	10.03
7J	No. 2 Package Boiler, 417 MMBTU/hr	PM	3.12	13.68
		PM <sub>10</sub>	3.12	13.68
		PM <sub>2.5</sub>	3.12	13.68
		SO <sub>2</sub>	0.70	3.05
		NH <sub>3</sub>	3.40	9.92
		VOC	0.09	0.40
74 LOVENT	No. 4 Con Turking Luke Oil Vard	PM	0.09	0.40
7A-LOVENT	No. 1 Gas Turbine Lube Oil Vent	PM <sub>10</sub>	0.09 0.40	0.40
		PM <sub>2.5</sub>	0.09	0.40
	No. 2 Gas Turbine Lube Oil Vent	VOC	0.09	0.40
7B-LOVENT		PM	0.09	0.40
7B-LOVENT		PM <sub>10</sub>	0.09	0.40
		PM <sub>2.5</sub>	0.09	0.40
		VOC	0.09	0.40
70 I OVENIT	No. 2 Coo Turking Luke Oil Vent	PM 0.09	0.40	
7C-LOVENT	No. 3 Gas Turbine Lube Oil Vent	PM <sub>10</sub>	0.09	0.40
		PM <sub>2.5</sub>	0.09	0.40
		VOC	0.09	0.40
7D I OVENT	No. 4 Coo Turbino Luba Oil Vant	РМ	0.09	0.40
7D-LOVENT	No. 4 Gas Turbine Lube Oil Vent	PM <sub>10</sub>	0.09	0.40
		PM <sub>2.5</sub>	0.09	0.40

Emission	Source Name (2)	Air Contaminant Name (3)	Emissio	Emission Rates	
Point No. (1)			lbs/hour	TPY (4)	
		voc	0.09 0.	0.40	
75 LOVENT	No 5 Oct Today to 1 to 071 Vest	PM	0.09	0.40	
7E-LOVENT	No. 5 Gas Turbine Lube Oil Vent	PM <sub>10</sub>	0.09	0.40	
		PM <sub>2.5</sub>	0.09	0.40	
		voc	0.09	0.40	
70 LOVENT	No O Con Today to the O'll Vent	PM	0.09	0.40	
7G-LOVENT	No. 6 Gas Turbine Lube Oil Vent	PM <sub>10</sub>	0.09	0.40	
		PM <sub>2.5</sub>	0.09	0.40	
7A-NGVENT	No. 1 Gas Turbine Natural Gas Vent	VOC	6.95	0.03	
7B-NGVENT	No. 2 Gas Turbine Natural Gas Vent	VOC	6.95	0.03	
7C-NGVENT	No. 3 Gas Turbine Natural Gas Vent	voc	6.95	0.03	
7D-NGVENT	No. 4 Gas Turbine Natural Gas Vent	VOC	6.95	0.03	
7E-NGVENT	No. 5 Gas Turbine Natural Gas Vent	voc	6.95	0.03	
7G-NGVENT	No. 6 Gas Turbine Natural Gas Vent	voc	2.50	0.01	
7A-DBVENT	No. 1 HRSG Duct Burner Natural Gas Vent	voc	0.04	0.01	
7B-DBVENT	No. 2 HRSG Duct Burner Natural Gas Vent	VOC	0.04	0.01	
7C-DBVENT	No. 3 HRSG Duct Burner Natural Gas Vent	voc	0.04	0.01	
7D-DBVENT	No. 4 HRSG Duct Burner Natural Gas Vent	voc	0.04	0.01	
7E-DBVENT	No. 5 HRSG Duct Burner Natural Gas Vent	VOC	0.04	0.01	
CWTP1	Combined Water Treatment Plant	voc	12.50	27.30	
XZ-OS01	Waste Oil Storage Tank	voc	0.01	0.01	
XZ-WS01	Oil-Water Separation System	VOC	0.11	0.25	
TTT-50	CWTP 60% H <sub>2</sub> SO <sub>4</sub> Storage Tank	H <sub>2</sub> SO <sub>4</sub>	0.01	1.01	
TTW-15A	Diesel Storage Tank	VOC	0.08	0.01	
TTW-15B	Diesel Storage Tank	voc	0.08	0.01	
TTW-15C	Diesel Storage Tank	VOC	0.08	0.01	
TTW-15D	Diesel Storage Tank	VOC	0.08	0.01	

Emission	Source Name (2)  Air Contar Name (3)	Air Contaminant	Emissio	n Rates
Point No. (1)		Name (3)	lbs/hour	TPY (4)
TTW-15E	Diesel Storage Tank	VOC	0.08	0.01
UT-F02A	Diesel Storage Tank	VOC	0.08	0.01
UT-F02B	Diesel Storage Tank	VOC	0.08	0.01
UT-F02C	Diesel Storage Tank	VOC	0.08	0.01
		NOx	8.36	0.33
		СО	3.19	0.12
		VOC	0.18	0.01
FPM-02A	Diesel Fire Water Pump Engine	PM	0.66 0.03	0.03
		PM <sub>10</sub>	0.66	0.03
		PM <sub>2.5</sub>	0.66	0.03
		SO <sub>2</sub>	2.06	0.08
		NOx	8.36	0.33
		СО	3.19	0.12
		VOC 0.18	0.01	
FPM-02B	Diesel Fire Water Pump Engine	PM	0.66	0.03
		PM <sub>10</sub>	0.66	0.03
		PM <sub>2.5</sub>	0.66	0.03
		SO <sub>2</sub>	2.06	0.08
		NOx	8.36	0.33
		СО	3.19	0.12
		VOC	0.18	0.01
FPM-02C	Diesel Fire Water Pump Engine	PM	0.66	0.03
		PM <sub>10</sub>	0.66	0.03
		PM <sub>2.5</sub>	0.66	0.03
		SO <sub>2</sub>	2.06	0.08

Emission Point No. (1)	0 N (0)	Air Contaminant	Emission Rates	
	Source Name (2)	Name (3)	lbs/hour	TPY (4)
		NOx	8.36	0.33
		СО	3.19	0.12
		VOC	0.18     0.01       0.66     0.03	0.01
FPM-02D	Diesel Fire Water Pump Engine	PM		
		PM <sub>10</sub>	0.66	0.03
		PM <sub>2.5</sub>	0.66	0.03
		SO <sub>2</sub>	2.06	0.08
		NOx	8.36	0.33
		СО	3.19	0.12
		VOC	0.18	0.01
FPM-02E	Diesel Fire Water Pump Engine	PM	0.66	0.03
		PM <sub>10</sub>	0.66	0.03
		PM <sub>2.5</sub>	0.66	0.03
		SO <sub>2</sub>	2.06	0.08
		NO <sub>x</sub>	8.68	0.34
		СО	1.87	0.07
		VOC	0.69	0.03
UP-F02A	Diesel Fire Water Pump Engine	ne PM 0.62	0.02	
		PM <sub>10</sub>	0.62	0.02
		PM <sub>2.5</sub>	0.62	0.02
		SO <sub>2</sub>	1.42 0.	0.06

Emission	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
Point No. (1)			lbs/hour	TPY (4)
		NOx	8.68	0.34
		СО	1.87	0.07
		VOC	8.68       0.34         1.87       0.07         0.69       0.03         0.62       0.02         0.62       0.02         1.42       0.06         8.68       0.34         1.87       0.07         0.69       0.03         0.62       0.02         0.62       0.02         1.42       0.06         0.01       0.06         0.02       0.10         0.07       0.31         0.16       0.69         0.01       0.01         0.01       0.01         0.01       0.01         0.01       0.01         0.02       0.01         0.03       0.01         0.047       0.02	
UP-F02B	Diesel Fire Water Pump Engine	PM	0.62	0.02
		PM <sub>10</sub>	0.62	0.02
		PM <sub>2.5</sub>	0.62	0.02
		SO <sub>2</sub>	1.42	0.06
		NOx	8.68	0.34
		СО	1.87	0.07
		VOC	0.69	0.03
UP-F02C	Diesel Fire Water Pump Engine	PM	0.62	0.02
		PM <sub>10</sub>	0.62	0.02
		PM <sub>2.5</sub>	0.62	0.02
		SO <sub>2</sub>	1.42	0.06
PCDSLFUG	PC Plant Fire Water System Fugitives (5)	VOC	0.01	0.06
EXPDSLFUG	Expansion Plant Fire Water System Fugitives (5)	VOC	0.02	0.10
NG-FUG	Natural Gas and OL Tail Gas Fugitives (5)	VOC	0.07	0.31
NH₃-FUG	Ammonia Fugitives (5)	NH <sub>3</sub>	0.16	0.69
		NOx	0.01	0.01
		СО	0.01	0.01
		VOC	0.47	0.02
COGEN-MSS	Cogeneration Area MSS (6)	PM	1.53	0.01
		PM <sub>10</sub>	1.53	0.01
		PM <sub>2.5</sub>	1.53	0.01
		NH <sub>3</sub>	75.72	0.76

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

<sup>(2)</sup> 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<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

 $NH_3$  - ammonia  $H_2SO_4$  - sulfuric acid

(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) MSS-Maintenance, startup and shutdown emissions.

Date:	March 11, 2020
-------	----------------