Permit Numbers 19166, PSDTX760M8, and HAP10

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. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Emission	Source	Air Contaminant	Emission I	Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr (4)	TPY(5)
**				
Turbines, Case I: Tu	irbines Only - No Duct Burner	Firing		
7A	88 MW (ISO) Gas Turbine GE Model PG7111 (EA)	NO_x CO VOC PM and PM_{10} SO ₂	102.00 58.00 0.90 5.00 0.73	385.44 223.38 3.94 21.90 3.20
7B	88 MW (ISO) Gas Turbine GE Model PG7111 (EA)	NO_x CO VOC PM and PM ₁₀ SO ₂	102.00 58.00 0.90 5.00 0.73	385.44 223.38 3.94 21.90 3.20
7C	88 MW (ISO) Gas Turbine GE Model PG7111 (EA)	NO_x CO VOC PM and PM ₁₀ SO ₂	102.00 58.00 0.90 5.00 0.73	385.44 223.38 3.94 21.90 3.20
7D	88 MW (ISO) Gas Turbine GE Model PG7111 (EA)	NO_x CO VOC PM and PM ₁₀ SO ₂	115.00 57.00 0.90 5.00 0.73	455.52 227.76 3.94 21.90 3.20

Emission	Source	Air Contaminant <u>Emission Rates *</u>		Emission Rates *
Point No. (1)	Name (2)	Name (3)	lb/hr (4)	TPY(5)**
7E	88 MW (ISO) Gas Turbine GE Model PG7111 (EA)	NO_x CO VOC PM and PM ₁₀ SO ₂	115.00 57.00 0.90 5.00 0.73	455.52 227.76 3.94 21.90 3.20
7G	83 MW (ISO) Gas Turbine GE Model PG7121 (EA)	NO_x CO VOC PM and PM_{10} SO_2	38.00 62.00 0.55 5.00 0.62	166.44 271.56 2.41 21.90 2.69
Turbines, Case II: Tu	ırbines with Duct Burners Firing			
7A	88 MW (ISO) Gas Turbine GE Model PG7111 (EA) with 141.8 MMBtu/hr Duct Burner Firing Hydrogen Natural Gas, Process Gas, or Tail Gas	NO_x CO VOC PM and PM_{10} SO_2	119.02 60.13 1.75 5.71 0.83	460.00 232.71 7.66 25.01 3.64
7B	88 MW (ISO) Gas Turbine GE Model PG7111 (EA) with 141.8 MMBtu/hr Duct Burner Firing Hydrogen Natural Gas, Process Gas, or Tail Gas	NO_x CO VOC PM and PM_{10} SO_2	119.02 60.13 1.75 5.71 0.83	460.00 232.71 7.66 25.01 3.64
7C	88 MW (ISO) Gas Turbine GE Model PG7111 (EA) with 141.8 MMBtu/hr Duct Burner Firing Hydrogen, Natural Gas, Process Gas, or Tail Gas	NO_x CO VOC PM and PM_{10} SO_2	119.02 60.13 1.75 5.71 0.83	460.00 232.71 7.66 25.01 3.64
7D	88 MW (ISO) Gas Turbine GE Model PG7111 (EA)	NO _x CO	132.02 59.13	530.07 237.09

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr (4)	TPY(5)**
	with 141.8 MMBtu/hr Duct Burner Firing Hydrogen, Natural Gas, Process Gas or Tail Gas	VOC PM and PM ₁₀ SO ₂	1.75 5.71 0.83	7.66 25.01 3.64
7E	88 MW (ISO) Gas Turbine GE Model PG7111 (EA) with 141.8 MMBtu/hr Duct Burner Firing Hydroger Natural Gas, Process Gas or Tail Gas	NO_x CO VOC PM and PM_{10} SO_2	132.02 59.13 1.75 5.71 0.83	530.07 237.09 7.66 25.01 3.64
7F	Package Boiler 250 MMBtu/hr	NO_x CO VOC PM and PM ₁₀ SO ₂	12.50 25.00 0.34 1.25 0.10	54.75 109.50 1.51 5.48 0.43
7H	No.1 Package Boiler 417 MMBtu/hr	NO _x NO _x [MSS(6)] NO _x (annual) CO CO (MSS) CO (annual) VOC PM/PM ₁₀ SO ₂ NH ₃	6.25 42 - 15.4 153 - 2.5 3.1 0.7 3.4	27.0 - - 67.0 10.0 13.7 3.0 9.9

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr (4)	TPY(5)**
7J	No. 2 Package Boiler 417 MMBtu/hr	NO_x NO_x (MSS) NO_x (annual) CO CO (MSS) CO (annual) VOC PM/PM_{10} SO_2 NH_3	6.25 42 - 15.4 153 - 2.5 3.1 0.7 3.4	- 27.0 - - 67.0 10.0 13.7 3.0 9.9
NH3-FUG	Aqueous Ammonia Fugitives	NH ₃	0.11	0.5
CWTP1	Combined Wastewater Treatment Plant	VOC	6.25	27.3
TTW-15A	Diesel Storage Tank	VOC	0.06	0.01
TTW-15B	Diesel Storage Tank	VOC	0.06	0.01
TTW-15C	Diesel Storage Tank	VOC	0.06	0.01
TTW-15D	Diesel Storage Tank	VOC	0.06	0.01
TTW-15E	Diesel Storage Tank	VOC	0.06	0.01
UT-F02A	Diesel Storage Tank	VOC	0.06	0.01
UT-F02B	Diesel Storage Tank	VOC	0.06	0.01
UT-F02C	Diesel Storage Tank	VOC	0.06	0.01
FPM-02A FPM-02B	Diesel Firewater Pump Diesel Firewater Pump	NO_x CO VOC PM SO_2 NO_x	8.36 3.19 0.18 0.66 2.06 8.36	0.11 0.04 0.01 0.01 0.03 0.11
025	2.00011 notrator i amp		5.00	J.11

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr (4)	TPY(5)**
		CO VOC PM SO ₂	3.19 0.18 0.66 2.06	0.04 0.01 0.01 0.03
FPM-02C	Diesel Firewater Pump	NO_x CO VOC PM SO_2	8.36 3.19 0.18 0.66 2.06	0.11 0.04 0.01 0.01 0.03
FPM-02D	Diesel Firewater Pump	NO_x CO VOC PM SO_2	8.36 3.19 0.18 0.66 2.06	0.11 0.04 0.01 0.01 0.03
FPM-02E	Diesel Firewater Pump	NO _x CO VOC PM SO ₂	8.36 3.19 0.18 0.66 2.06	0.11 0.04 0.01 0.01 0.03
UP-F02A	Diesel Firewater Pump	NO _x CO VOC PM SO ₂	8.68 1.87 0.69 0.62 1.42	0.11 0.02 0.01 0.01 0.02
UP-F02B	Diesel Firewater Pump	NO_x CO VOC PM SO_2	8.68 1.87 0.69 0.62 1.42	0.11 0.02 0.01 0.01 0.02
UP-F02C	Diesel Firewater Pump	NO _x CO	8.68 1.87	0.11 0.02

Emission	Source	Air Contaminant	Emission Ra	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr (4)	TPY(5)**	
		VOC	0.69	0.01	
		PM	0.62	0.01	
		SO_2	1.42	0.02	
XZ-OS01	Waste Oil Storage Tank	VOC	0.01	0.01	
XZ-WS01	Oil-Water Separation System	VOC	0.11	0.25	
PCDIESELFUG	PC Plant Fire Water System Fugitives	VOC	0.04	0.16	
EXPDIESELFUG	Expansion Plant Fire Water System Fugitives	VOC	0.06	0.27	

- (1) Emission point identification either specific equipment designation or emission point number (EPN) from a plot plan.
- (2) Specific point source names.
- (3) NO_x total oxides of nitrogen
 - CO carbon monoxide
 - VOC volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1
 - PM particulate matter, suspended in the atmosphere, including PM₁₀
 - PM_{10} particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
 - SO₂ sulfur dioxide
 - NH₃ ammonia
- (4) Maximum hourly emissions based on an ambient temperature of 20*F for EPN 7A through 7C and 30*F for EPN 7D through 7E.
- (5) Annual emissions based on 70*F ambient temperature for EPN 7A through 7E.
- (6) MSS Maintenance, Startup, and Shutdown

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EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- * Emission rates are based on continuous operation (8,760 hours/year) except for the diesel firewater pumps, which are based on operating for 26 hours/year each.
- ** Compliance with annual emission limits is based on a rolling 12-month period.

Dated: March 3, 2010