### Permit Numbers 19166, PSD-TX-760M8, 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	urbines Only - No Duct Burner	Firing		
7A	00 MW (ISO) Coo Turbino	NO <sub>x</sub>	102.00	385.44
/A	88 MW (ISO) Gas Turbine GE Model PG7111 (EA)	CO	58.00	223.38
	GE Model F G7111 (EA)	VOC	0.90	3.94
		PM and PM <sub>10</sub>	5.00	21.90
		SO <sub>2</sub>	0.73	3.20
		002	0.70	0.20
7B	88 MW (ISO) Gas Turbine	$NO_x$	102.00	385.44
	GE Model PG7111 (EA)	CO	58.00	223.38
	, ,	VOC	0.90	3.94
		PM and $PM_{10}$	5.00	21.90
		SO <sub>2</sub>	0.73	3.20
70	00 MM (100) C - Truthin -	NO	100.00	005.44
7C	88 MW (ISO) Gas Turbine	NO <sub>x</sub>	102.00	385.44
	GE Model PG7111 (EA)	CO VOC	58.00	223.38
			0.90 5.00	3.94
		PM and $PM_{10}$ $SO_2$	0.73	21.90 3.20
		$3O_2$	0.73	3.20
7D	88 MW (ISO) Gas Turbine	$NO_x$	115.00	455.52
	GE Model PG7111 (EA)	CO	57.00	227.76
	, ,	VOC	0.90	3.94
		PM and $PM_{10}$	5.00	21.90
		$SO_2$	0.73	3.20
7E	00 MM// (ISO) Coo Turbino	NO	115.00	4EE E2
1 C	88 MW (ISO) Gas Turbine GE Model PG7111 (EA)	NO <sub>x</sub> CO	57.00	455.52 227.76
	GE MOUEL PG/III (EA)	VOC	0.90	3.94
		PM and PM <sub>10</sub>	5.00	21.90
		rivi aliu rivi10	5.00	21.50

Emission	Source	Air Contaminant <u>Emission Rates *</u>		ates *
Point No. (1)	Name (2)	Name (3)	lb/hr (4)	TPY(5)**
7G	83 MW (ISO) Gas Turbine GE Model PG7121 (EA)	SO <sub>2</sub> NO <sub>x</sub> CO VOC 0.55 PM and PM <sub>10</sub>	0.73 38.00 62.00 2.41 5.00	3.20 166.44 271.56 21.90
Turbines, Case II: Tu	urbines with Duct Burners Fir	$SO_2$ 0.62	2.69	
7A	88 MW (ISO) Gas Turbine GE Model PG7111 (EA) with 141.8 MMBtu/hr Duct Burner Firing Hydrog Natural Gas or Process G	•	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 Hydrog Natural Gas or Process G		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 or Process G	PM and PM <sub>10</sub>	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) with 141.8 MMBtu/hr Duct Burner Firing Hydrogen, Natural Gas or Process G	PM and PM <sub>10</sub>	132.02 59.13 1.75 5.71 0.83	530.07 237.09 7.66 25.01 3.64
7E	88 MW (ISO) Gas Turbine GE Model PG7111 (EA) with 141.8 MMBtu/hr	NO <sub>x</sub> CO VOC	132.02 59.13 1.75	530.07 237.09 7.66

Emission	Source	Air Contaminant	Emission R	ates *
Point No. (1)	Name (2)	Name (3)	lb/hr (4)	TPY(5)**
	Duct Burner Firing Hydrogen Natural Gas or Process Gas		5.71 0.83	25.01 3.64
7F	Package Boiler 250 MMBtu/hr	$NO_x$ CO VOC PM and PM <sub>10</sub> SO <sub>2</sub>	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 <sub>x</sub> NO <sub>x</sub> [MSS(6)] NO <sub>x</sub> (annual) CO CO (MSS) CO (annual) VOC PM/PM <sub>10</sub> SO <sub>2</sub> NH <sub>3</sub>	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
7J	No. 2 Package Boiler 417 MMBtu/hr	NO <sub>x</sub> NO <sub>x</sub> (MSS) NO <sub>x</sub> (annual) CO CO (MSS) CO (annual) VOC PM/PM <sub>10</sub> SO <sub>2</sub> NH <sub>3</sub>	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

Emission	Source	Air Contaminant	Emission Ra	ites *
Point No. (1)	Name (2)	Name (3)	lb/hr (4)	TPY(5)**
TTM 450	Discal Changes Tools	V00	0.00	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	Diesel Firewater Pump	NO <sub>x</sub> CO VOC PM SO <sub>2</sub>	8.36 3.19 0.18 0.66 2.06	0.11 0.04 0.01 0.01 0.03
FPM-02B	Diesel Firewater Pump	NO <sub>x</sub> CO VOC PM	8.36 3.19 0.18 0.66	0.11 0.04 0.01 0.01
FPM-02C	Diesel Firewater Pump	$SO_2$ $NO_x$ $CO$ $VOC$ $PM$ $SO_2$	2.06 8.36 3.19 0.18 0.66 2.06	0.03 0.11 0.04 0.01 0.01 0.03
FPM-02D	Diesel Firewater Pump	NO <sub>x</sub> CO VOC PM	8.36 3.19 0.18 0.66	0.11 0.04 0.01 0.01
FPM-02E	Diesel Firewater Pump	SO <sub>2</sub> NO <sub>x</sub> CO VOC	2.06 8.36 3.19 0.18	0.03 0.11 0.04 0.01

Emission	Source	Air Contaminant	Emission Rates *	
Point No. (1)	Name (2)	Name (3)	lb/hr (4)	TPY(5)**
		РМ	0.66	0.01
		$SO_2$	2.06	0.03
UP-F02A	Diesel Firewater Pump	NO <sub>x</sub>	8.68	0.11
		CO	1.87	0.02
		VOC	0.69	0.01
		PM	0.62	0.01
		$SO_2$	1.42	0.02
UP-F02B	Diesel Firewater Pump	NOx	8.68	0.11
		CO	1.87	0.02
		VOC	0.69	0.01
		PM	0.62	0.01
		SO <sub>2</sub>	1.42	0.02
UP-F02C	Diesel Firewater Pump	NO <sub>x</sub>	8.68	0.11
		CO	1.87	0.02
		VOC	0.69	0.01
		PM	0.62	0.01
\/T 0004		SO <sub>2</sub>	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

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

<sup>(2)</sup> Specific point source names.

<sup>(3)</sup> NO<sub>x</sub> - 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 PM<sub>10</sub>

PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

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

NH<sub>3</sub> - ammonia

- (4) Maximum hourly emissions based on an ambient temperature of 20°F for Emission Point No. (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, Start-up, and Shutdown
- \* 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 April 17, 2008