#### Permit Number 41953 and PSDTX951

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

<b>Emission Point No. (1)</b>	Source Name (2)	Air Contaminant Name (3)	Emission	Rates
			lbs/hour	TPY (4)
	Turbine	e Only - Hourly Emission Rates		
U1	Turbine No. 1 (5)	NOx	62.2	-
	GE 7FA	NO <sub>x</sub> (MSS)	188.54	-
		СО	31.7	-
		CO (MSS)	2209.90	-
		VOC	3.1	-
		VOC (MSS)	183.49	-
		PM	14.2	-
		PM (MSS)	22.06	-
		PM <sub>10</sub>	14.2	-
		PM <sub>10</sub> (MSS)	22.06	-
		PM <sub>2.5</sub>	14.2	-
		PM <sub>2.5</sub> (MSS)	22.06	-
		SO <sub>2</sub>	28.4	-
		SO <sub>2</sub> (MSS)	36.17	-
		H <sub>2</sub> SO <sub>4</sub>	2.2	-
		H <sub>2</sub> SO <sub>4</sub> (MSS)	4.56	-
U2	Turbine No. 2 (5)	NO <sub>x</sub>	62.2	-
	GE 7FA	NO <sub>x</sub> (MSS)	188.54	-
		СО	31.7	-
		CO (MSS)	2209.90	-
		VOC	3.1	-
		VOC (MSS)	183.49	-
		PM	14.2	-
	<u> </u>		1	1

	PM (MSS)	22.06	-
	PM <sub>10</sub>	14.2	-
	PM <sub>10</sub> (MSS)	22.06	-
	PM <sub>2.5</sub>	14.2	-
	PM <sub>2.5</sub> (MSS)	22.06	-
	SO <sub>2</sub>	28.4	-
	SO <sub>2</sub> (MSS)	36.17	-
	H <sub>2</sub> SO <sub>4</sub>	2.2	-
	H <sub>2</sub> SO <sub>4</sub> (MSS)	4.56	-
Turbine No. 3 (5)	NO <sub>x</sub>	62.2	-
GE /FA	NO <sub>x</sub> (MSS)	188.54	-
	СО	31.7	-
	CO (MSS)	2209.90	-
	VOC	3.1	-
	VOC (MSS)	183.49	-
	PM	14.2	-
	PM (MSS)	22.06	-
	PM <sub>10</sub>	14.2	-
	PM <sub>10</sub> (MSS)	22.06	-
	PM <sub>2.5</sub>	14.2	-
	PM <sub>2.5</sub> (MSS)	22.06	-
	SO <sub>2</sub>	28.4	-
	SO <sub>2</sub> (MSS)	36.17	-
	H <sub>2</sub> SO <sub>4</sub>	2.2	-
	H <sub>2</sub> SO <sub>4</sub> (MSS)	4.56	-
Turbine No. 4 (5)	NO <sub>x</sub>	62.2	-
GE /FA	NO <sub>x</sub> (MSS)	188.54	-
	СО	31.7	-
	CO (MSS)	2209.90	-
	GE 7FA	PM <sub>10</sub> PM <sub>10</sub> (MSS) PM <sub>2.5</sub> PM <sub>2.5</sub> (MSS) SO <sub>2</sub> SO <sub>2</sub> (MSS) H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> SO <sub>4</sub> (MSS)  CO CO (MSS) VOC VOC (MSS) PM PM (MSS) PM PM (MSS) PM <sub>10</sub> PM <sub>10</sub> (MSS) PM <sub>2.5</sub> PM <sub>2.5</sub> (MSS) SO <sub>2</sub> SO <sub>2</sub> (MSS) PM <sub>2.5</sub> PM <sub>2.5</sub> (MSS) SO <sub>2</sub> SO <sub>2</sub> (MSS) Turbine No. 4 (5) GE 7FA  Turbine No. 4 (5) GE 7FA  PM <sub>10</sub> NO <sub>x</sub> ROSS PM <sub>2.5</sub> PM <sub>2.5</sub> (MSS) SO <sub>2</sub> SO <sub>2</sub> (MSS) H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> SO <sub>4</sub> ROSS CO	PM <sub>10</sub> 14.2         PM <sub>10</sub> (MSS)       22.06         PM <sub>2.5</sub> 14.2         PM <sub>2.5</sub> (MSS)       22.06         SO <sub>2</sub> 28.4         SO <sub>2</sub> (MSS)       36.17         H <sub>2</sub> SO <sub>4</sub> 2.2         H <sub>2</sub> SO <sub>4</sub> (MSS)       4.56         NO <sub>x</sub> (MSS)       188.54         CO       31.7         CO (MSS)       2209.90         VOC       3.1         VOC (MSS)       183.49         PM       14.2         PM (MSS)       22.06         PM <sub>10</sub> 14.2         PM <sub>10</sub> (MSS)       22.06         PM <sub>2.5</sub> (MSS)       22.06         SO <sub>2</sub> (MSS)       36.17         H <sub>2</sub> SO <sub>4</sub> (MSS)       4.56         Turbine No. 4 (5)       NO <sub>x</sub> (MSS)       4.56         NO <sub>x</sub> (MSS)       188.54         CO       31.7

Emission Sources - Maximum Allowable Emission Rates

1	1			
		VOC	3.1	-
		VOC (MSS)	183.49	-
		PM	14.2	-
		PM (MSS)	22.06	-
		PM <sub>10</sub>	14.2	-
		PM <sub>10</sub> (MSS)	22.06	-
		PM <sub>2.5</sub>	14.2	-
		PM <sub>2.5</sub> (MSS)	22.06	-
		SO <sub>2</sub>	28.4	-
		SO <sub>2</sub> (MSS)	36.17	-
		H <sub>2</sub> SO <sub>4</sub>	2.2	-
		H <sub>2</sub> SO <sub>4</sub> (MSS)	4.56	-
	Turbine No. 5 (5) GE 7FA	NO <sub>x</sub>	62.2	-
		NO <sub>x</sub> (MSS)	188.54	-
		СО	31.7	-
		CO (MSS)	2209.90	-
		VOC	3.1	-
		VOC (MSS)	183.49	-
		PM	14.2	-
		PM (MSS)	22.06	-
		PM <sub>10</sub>	14.2	-
		PM <sub>10</sub> (MSS)	22.06	-
		PM <sub>2.5</sub>	14.2	-
		PM <sub>2.5</sub> (MSS)	22.06	-
		SO <sub>2</sub>	28.4	-
		SO <sub>2</sub> (MSS)	36.17	-
		H <sub>2</sub> SO <sub>4</sub>	2.2	-
		H <sub>2</sub> SO <sub>4</sub> (MSS)	4.56	-
U6	Turbine No. 6 (5)	NOx	62.2	-

Emission Sources - Maximum Allowable Emission Rates

i	ı			
		NO <sub>x</sub> (MSS)	188.54	-
		СО	31.7	-
		CO (MSS)	2209.90	-
		VOC	3.1	-
		VOC (MSS)	183.49	-
		PM	14.2	-
		PM (MSS)	22.06	-
		PM <sub>10</sub>	14.2	-
		PM <sub>10</sub> (MSS)	22.06	-
		PM <sub>2.5</sub>	14.2	-
		PM <sub>2.5</sub> (MSS)	22.06	-
		SO <sub>2</sub>	28.4	-
		SO <sub>2</sub> (MSS)	36.17	-
		H <sub>2</sub> SO <sub>4</sub>	2.2	-
		H <sub>2</sub> SO <sub>4</sub> (MSS)	4.56	-
	Turbine + Duc	t Burner (DB) - Hourly Emis	ssion Rates	·
U1	Turbine No. 1 + 550	NO <sub>x</sub>	106.25	-
	MMBtu DB (5,6) GE 7FA	NO <sub>x</sub> (MSS)	188.54	-
		со	75.75	-
		CO (MSS)	2209.90	-
		voc	11.85	-
		VOC (MSS)	183.49	-
		PM	22.06	-
		PM <sub>10</sub>	22.06	-
		PM <sub>2.5</sub>	22.06	-
		SO <sub>2</sub>	36.17	-
		H <sub>2</sub> SO <sub>4</sub>	4.56	-
U2	Turbine No. 2 + 550 MMBtu DB (5,6)	NO <sub>x</sub>	106.25	-
GE 7FA	NO <sub>x</sub> (MSS)	188.54		

I	ı		T	
		СО	75.75	-
		CO (MSS)	2209.90	-
		VOC	11.85	-
		VOC (MSS)	183.49	-
		PM	22.06	-
		PM <sub>10</sub>	22.06	-
		PM <sub>2.5</sub>	22.06	-
		SO <sub>2</sub>	36.17	-
		H <sub>2</sub> SO <sub>4</sub>	4.56	-
U3	Turbine No. 3 + 550 MMBtu DB (5,6)	NO <sub>x</sub>	106.25	-
	GE 7FA	NO <sub>x</sub> (MSS)	188.54	-
		со	75.75	-
		CO (MSS)	2209.90	-
		VOC	11.85	-
		VOC (MSS)	183.49	-
		PM	22.06	-
		PM <sub>10</sub>	22.06	-
		PM <sub>2.5</sub>	22.06	-
		SO <sub>2</sub>	36.17	-
		H <sub>2</sub> SO <sub>4</sub>	4.56	-
U4	Turbine No. 4 + 500 MMBtu DB (5,6)	NO <sub>x</sub>	106.25	-
	GE 7FA	NO <sub>x</sub> (MSS)	188.54	-
		со	75.75	-
		CO (MSS)	2209.90	-
		VOC	11.85	-
		VOC (MSS)	183.49	-
		PM	22.06	-
		PM <sub>10</sub>	22.06	-
		PM <sub>2.5</sub>	22.06	-

1	İ			
		SO <sub>2</sub>	36.17	-
		H <sub>2</sub> SO <sub>4</sub>	4.56	-
U5	Turbine No. 5 + 550 MMBtu DB (5,6)	NO <sub>x</sub>	106.25	-
	GE 7FA	NO <sub>x</sub> (MSS)	188.54	-
		СО	75.75	-
		CO (MSS)	2209.90	-
		VOC	11.85	-
		VOC (MSS)	183.49	-
		PM	22.06	-
		PM <sub>10</sub>	22.06	-
		PM <sub>2.5</sub>	22.06	-
		SO <sub>2</sub>	36.17	-
		H <sub>2</sub> SO <sub>4</sub>	4.56	-
Turbine No. 6 + 550 MMBtu DB (5,6) GE 7FA	Turbine No. 6 + 550	NO <sub>x</sub>	106.25	-
		NO <sub>x</sub> (MSS)	188.54	-
		СО	75.75	-
		CO (MSS)	2209.90	-
		VOC	11.85	-
		VOC (MSS)	183.49	-
		PM	22.06	-
		PM <sub>10</sub>	22.06	-
		PM <sub>2.5</sub>	22.06	-
		SO <sub>2</sub>	36.17	-
		H <sub>2</sub> SO <sub>4</sub>	4.56	-
U1, U2	Combined Annual Emission Rates	NO <sub>x</sub>	-	1927.1
U3, U4 U5, U6	Turbines Nos. 1- 6 +	СО	-	1152.1
	500 MMBtu DBs	VOC	-	152.7
		PM	-	392.6
		PM <sub>10</sub>	-	392.6

		PM <sub>2.5</sub>	-	392.6
		SO <sub>2</sub>	-	285.5
		H <sub>2</sub> SO <sub>4</sub>	-	27.8
EMGEN	Emergency Diesel	NO <sub>x</sub>	30.49	1.83
	Generator (7)	СО	6.99	0.42
		РМ	0.89	0.05
		PM <sub>10</sub>	0.89	0.05
		PM <sub>2.5</sub>	0.89	0.05
		VOC	0.90	0.05
		SO <sub>2</sub>	5.14	0.31
WTRPMP	Firewater Pump	NO <sub>x</sub>	3.16	0.19
	Engine (7)	СО	0.17	0.02
		РМ	0.06	0.01
		PM <sub>10</sub>	0.06	0.01
		PM <sub>2.5</sub>	0.06	0.01
		VOC	0.10	0.01
		SO <sub>2</sub>	0.36	0.03
CT-1	Cooling Tower (8,9)	РМ	27.54	18.93
		PM <sub>10</sub>	27.54	18.93
		PM <sub>2.5</sub>	27.54	18.93
CT-2	Cooling Tower (8,9)	РМ	27.54	18.93
		PM <sub>10</sub>	27.54	18.93
		PM <sub>2.5</sub>	27.54	18.93
LUBE1	Lube Oil Demisters	РМ	0.04	0.17
	(10)	PM <sub>10</sub>	0.04	0.17
		PM <sub>2.5</sub>	0.04	0.17
		VOC	0.04	0.17
FUG	Piping Fugitives (11)	VOC	1.25	5.49
MSSFUG	Planned MSS Activities (11)	NO <sub>x</sub>	<0.01	<0.01

Project Number: 315328

ILE and non-ILE

СО	<0.01	<0.01
VOC	18.39	0.13

- (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<sub>x</sub> - total oxides of nitrogen

 $SO_2$  - sulfur dioxide  $H_2SO_4$  - sulfuric acid

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

MSS - maintenance, startup, and shutdown

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Planned MSS for all pollutants is authorized even if not specifically identified as MSS. During any clock hour that includes one or more minutes of planned MSS that pollutant's maximum hourly emission rate shall apply during that clock hour.
- (6) The turbine and duct burner emission rates apply during any clock hour that includes one or more minutes of duct burner firing, and no MSS activities.
- (7) Emissions are based on normal operations of 100 operating hours per year.
- (8) Cooling tower PM<sub>10</sub> emission are an estimate only based on manufacturer's test data.
- (9) The maximum 24-hour average hourly PM<sub>10</sub> emission rate is 4.32 lb/hr for each cooling tower.
- (10) Turbine oil mist vent emissions are an estimate only based on estimates from the mist eliminator manufacturer data.
- (11) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date:	Julv 24, 2020	