#### Permit Number 41008 and PSDTX936

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)		
GT-HRSG 1	Combustion Turbine No. 1 (GE PG7241	Combined-Cycle Gas Turbine only operation (Maximum Hourly Limits)				
	[7FA]) Combustion Turbine/HRSG Stack	NO <sub>x</sub> (5)	60.00			
		CO (5)	29.00			
		VOC (5)	2.80			
		PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)	18.30			
		SO <sub>2</sub> (5)	2.40			
		H <sub>2</sub> SO <sub>4</sub> (5)	0.27			
		Gas Turbine MSS Operations (Maximum Hourly Limits)				
		NO <sub>x</sub> (5)	250.00			
		CO (5)	2100.00			
		VOC (5)	183.00			
		PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)	21.00			
		SO <sub>2</sub> (5)	2.40			
		H <sub>2</sub> SO <sub>4</sub> (5)	0.27			
		Combined-Cycle Gas Turbine with (Maximum Hourly Limits)	IRSG duct burner			
		NO <sub>x</sub> (5)	82.00			
		CO (5)	51.00			
		VOC (5)	5.60			
		PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)	21.00			
		SO <sub>2</sub> (5)	2.70			
		H <sub>2</sub> SO <sub>4</sub> (5)	0.30			

GT-HRSG 2	Combustion Turbine No. 2 (GE PG7241	Combined-Cycle Gas Turbine only Hourly Limits	operation (Maximum	
	[7FA]) Combustion Turbine/HRSG Stack	NO <sub>X</sub> (5)	60.00	
		CO (5)	29.00	
		VOC (5)	2.80	
		PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)	18.30	
		SO <sub>2</sub> (5)	2.40	
		H <sub>2</sub> SO <sub>4</sub> (5)	0.27	
		Gas Turbine MSS Operations (Maximum Hourly Limits)		
		NO <sub>x</sub> (5)	250.00	
		CO (5)	2100.00	
		VOC (5)	183.00	
		PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)	21.00	
		SO <sub>2</sub> (5)	2.40	
		H <sub>2</sub> SO <sub>4</sub> (5)	0.27	
		Combined-Cycle Gas Turbine with (Maximum Hourly Limits)	HRSG duct burner	
		NO <sub>x</sub> (5)	82.00	
		CO (5)	51.00	
		VOC (5)	5.60	
		PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)	21.00	
		SO <sub>2</sub> (5)	2.70	
		H <sub>2</sub> SO <sub>4</sub> (5)	0.30	

1(31-085(35	Combustion Turbine No. 3 (GE PG7241	Combined-Cycle Gas Turbine only operation (Maximum Hourly Limits)		
	[7FA]) Combustion Turbine/HRSG Stack	NO <sub>x</sub> (5)	60.00	

	CO (5)	29.00
	VOC (5)	2.80
	PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)	18.30
	SO <sub>2</sub> (5)	2.40
	H <sub>2</sub> SO <sub>4</sub> (5)	0.27
	Gas Turbine MSS Operations (Max	imum Hourly Limits)
	NO <sub>x</sub> (5)	250.00
	CO (5)	2100.00
	VOC (5)	183.00
	PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)	21.00
	SO <sub>2</sub> (5)	2.40
	H <sub>2</sub> SO <sub>4</sub> (5)	0.27
	Combined-Cycle Gas Turbine with (Maximum Hourly Limits)	HRSG duct burner
	NO <sub>x</sub> (5)	82.00
	CO (5)	51.00
	VOC (5)	5.60
	PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)	21.00
	SO <sub>2</sub> (5)	2.70
	H <sub>2</sub> SO <sub>4</sub> (5)	0.30
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GT-HRSG 4	Combustion Turbine No. 4 (GE PG7241 [7FA]) Combustion Turbine/HRSG Stack	Combined-Cycle Gas Turbine only Hourly Limits)	operation (Maximum	
		NO <sub>x</sub> (5)	60.00	
		CO (5)	29.00	
		VOC (5)	2.80	

PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)	18.30	
SO <sub>2</sub> (5)	2.40	
H <sub>2</sub> SO <sub>4</sub> (5)	0.27	
Gas Turbine MSS Operations	(Maximum Hourly Limits)	
NO <sub>x</sub> (5)	250.00	
CO (5)	2100.00	
VOC (5)	183.00	
PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)	21.00	
SO <sub>2</sub> (5)	2.40	
H <sub>2</sub> SO <sub>4</sub> (5)	0.27	
Combined-Cycle Gas Turbine with HRSG duct burner (Maximum Hourly Limits)		
NO <sub>x</sub> (5)	82.00	
CO (5)	51.00	
VOC (5)	5.60	
PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)	21.00	
SO <sub>2</sub> (5)	2.70	
H <sub>2</sub> SO <sub>4</sub> (5)	0.30	
	SO <sub>2</sub> (5)  H <sub>2</sub> SO <sub>4</sub> (5)  Gas Turbine MSS Operations  NO <sub>x</sub> (5)  CO (5)  VOC (5)  PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)  SO <sub>2</sub> (5)  H <sub>2</sub> SO <sub>4</sub> (5)  Combined-Cycle Gas Turbine (Maximum Hourly Limits)  NO <sub>x</sub> (5)  CO (5)  VOC (5)  PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)  SO <sub>2</sub> (5)	

GT-HRSG 1, GT-HRSG 2, GT-HRSG 3, and GT-HRSG 4	(GE PG7241 [7FA]) Combustion	Limits for combined emissions from reduced load operation	n normal, MS	ISS, and
	Turbine/HRSG Stack No. 1,2, 3, and 4	NO <sub>x</sub> (5)		1126.00
		NO <sub>x</sub> (7)	930.00	
		CO (5)		635.60
	VOC (5)		68.00	
	PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)		342.40	

		SO <sub>2</sub> (5)		40.40
		H <sub>2</sub> SO <sub>4</sub> (5)		4.80
Ancillary Sources (Hou	ırly and Annual Limits)	,	-	1
CT-1	Cooling Tower No. 1	PM/PM <sub>10</sub> (5)	18.70	81.70
		HOCI	0.04	0.17
		HCI	0.03	0.12
		H <sub>2</sub> SO <sub>4</sub>	< 0.01	< 0.01
		VOC (5)	0.02	0.07
CT-2	Cooling Tower No. 2	PM/PM <sub>10</sub> (5)	18.70	81.70
		HOCI	0.04	0.17
		HCI	0.03	0.12
		H <sub>2</sub> SO <sub>4</sub>	< 0.01	< 0.01
		VOC (5)	0.02	0.07
F-1	Natural Gas, Condensate, Lube Oil	VOC (5)(6)	2.71	11.85
	and Seal Oil Piping for Units 1 thru 4		< 0.01	< 0.01
LUBETNKCT1	Unit 1 Combustion Turbine Lube Oil	VOC (5)(6)	0.09	0.40
	Reservoir Vent	PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)(6)	0.09	0.40
LUBETNKCT2	Unit 2 Combustion Turbine Lube Oil	VOC (5)(6)	0.09	0.40
	Reservoir Vent	PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)(6)	0.09	0.40
LUBETNKCT3	Unit 3 Combustion Turbine Lube Oil	VOC (5)(6)	0.09	0.40
	Reservoir Vent	PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)(6)	0.09	0.40
LUBETNKCT4	Unit 4 Combustion Turbine Lube Oil	VOC (5)(6)	0.09	0.40
	Reservoir Vent	PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)(6)	0.09	0.40
LUBETNKST1	Steam Turbine No. 1 Lube Oil Reservoir	VOC (5)(6)	0.09	0.40
	Vent	PM/PM <sub>10</sub> /PM <sub>2.5</sub> (5)(6)	0.09	0.40

0.40 0.40 0.50
0.50
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- (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

H<sub>2</sub>SO<sub>4</sub> - sulfuric acid

HOCI - hypochlorous acid

HCl - hydrogen chlorideH₂S - hydrogen sulfide

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>,

 $PM_{10}$  - total particulate matter equal to or less than 10 microns in diameter, including  $PM_{2.5}$ ,

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) These emissions are authorized under Federal PSD and state permitting regulations.
- (6) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

# Permit Number 41008 and PSDTX936 Page 7

#### Emission Sources - Maximum Allowable Emission Rates

(7) MSS hourly emission limit only. The tpy emission limit represented in the MAERT for these facilities includes combined emissions from the facilities during normal operations, planned MSS activities and reduced load operation.

Date: June 26 2018