### Permit Numbers 1467 and PSDTX1090

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		
(2)		(6)	lbs/hour	TPY (4)	
Unit 4					
S4-1	Westinghouse W501-B6 69 MW Turbine	NO <sub>x</sub> (12)	188	674	
	with 124 MMBtu/hr Duct Burner (11)	CO (12)	840	1,665	
		SO <sub>2</sub>	17	12	
		voc	12	44	
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	2	6	
S4-2	Westinghouse W501-B6 69 MW Turbine with 124 MMBtu/hr Duct Burner (11)	NO <sub>x</sub> (12)	188	674	
		CO (12)	840	1,665	
		SO <sub>2</sub>	17	12	
		VOC	12	44	
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	2	6	
Unit 6 Simple Cyc	ele				
SC-S6A	GE Frame 7EA 70 MW Turbine	NO <sub>x</sub>	174	-	
	without Duct Burner	СО	233	-	
	High Load Operation (8)	VOC	8	-	
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	9	-	
		SO <sub>2</sub>	14	-	
		H <sub>2</sub> SO <sub>4</sub>	2	-	

	GE Frame 7EA 70 MW Turbine without Duct Burner	NO <sub>x</sub>	180	-
		СО	386	-
	Startup, Shutdown, and Low Load Operation (9)	VOC	5	-
	(Limited to 2,500 hours per year)	PM/PM <sub>10</sub> / PM <sub>2.5</sub>	9	-
		SO <sub>2</sub>	14	-
		H <sub>2</sub> SO <sub>4</sub>	2	-
SC-S6A	Annual Emissions from EPN SC-S6A (11)	NO <sub>x</sub>	-	283 (6)
		СО	-	363
	VOC	-	8	
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	-	29
		SO <sub>2</sub>	-	13
		H <sub>2</sub> SO <sub>4</sub>	-	2
SC-S6B	GE Frame 7EA 70 MW Turbine without Duct Burner High Load Operation (8)	NO <sub>x</sub>	174	-
		СО	233	-
ľ		VOC	8	-
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	9	-
		SO <sub>2</sub>	14	-
		H <sub>2</sub> SO <sub>4</sub>	2	-
SC-S6B	GE Frame 7EA 70 MW Turbine	NO <sub>x</sub>	180	-
	without Duct Burner	СО	386	-
	Startup, Shutdown, and Low Load Operation (9)	VOC	5	-
	(Limited to 2,500 hours per year)	PM/PM <sub>10</sub> / PM <sub>2.5</sub>	9	-
		SO <sub>2</sub>	14	-
		H <sub>2</sub> SO <sub>4</sub>	2	-

SC-S6B	Annual Emissions from EPN SC-S6B (11)	NO <sub>x</sub>	-	283 (6)
		СО	-	363
		VOC	-	8
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	-	29
		SO <sub>2</sub>	-	13
		H <sub>2</sub> SO <sub>4</sub>	-	2
Unit 6 Combine C	cycle			
CC-S6A	70 MW Turbine with 285 MMBtu/hr Duct Burner High Load Operation (8)	NO <sub>x</sub>	42	-
		СО	326	-
		voc	18	-
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	15	-
		SO <sub>2</sub>	20	-
		H <sub>2</sub> SO <sub>4</sub>	3.8	-
		NH <sub>3</sub>	20	-
CC-S6A	GE Frame 7EA 70 MW Turbine	NO <sub>x</sub>	180	-
	with 285 MMBtu/hr Duct Burner Startup, Shutdown, and Low Load Operation (9)	СО	518	-
		VOC	18	-
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	15	-
		SO <sub>2</sub>	20	-
		H <sub>2</sub> SO <sub>4</sub>	3.8	-

	Annual Emissions from EPN CC-S6A (11)	NO <sub>x</sub>	-	165 (7)
		СО	-	456
		VOC	-	25
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	-	38
		SO <sub>2</sub>	-	16
		H <sub>2</sub> SO <sub>4</sub>	-	3.1
		NH <sub>3</sub>	-	50
CC-S6B	GE Frame 7EA 70 MW Turbine	NO <sub>x</sub>	42	-
	with 285 MMBtu/hr Duct Burner	СО	326	-
	High Load Operation (8)	VOC	18	-
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	15	-
		SO <sub>2</sub>	20	-
		H <sub>2</sub> SO <sub>4</sub>	3.8	-
		NH <sub>3</sub>	20	-
CC-S6B	GE Frame 7EA 70 MW Turbine with 285 MMBtu/hr Duct Burner	NO <sub>x</sub>	180	-
		со	518	-
	Startup, Shutdown, and Low Load Operation (9)	VOC	18	-
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	15	-
		SO <sub>2</sub>	20	-
		H <sub>2</sub> SO <sub>4</sub>	3.8	-
CC-S6B	Annual Emissions from EPN CC-S6B (11)	NO <sub>x</sub>	-	165 (7)
		со	-	456
		voc	-	25
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	-	38
		SO <sub>2</sub>	-	16
		H <sub>2</sub> SO <sub>4</sub>	-	3.1
		NH <sub>3</sub>	-	50

FIRE	Firewater Pump Engine	NO <sub>x</sub>	9.3	0.9
		СО	2.0	0.2
		VOC	0.8	<0.1
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	0.7	<0.1
		SO <sub>2</sub>	0.1	<0.1
		H <sub>2</sub> SO <sub>4</sub>	<0.1	<0.1
OTD-1	Diesel Storage Tank 1	voc	<0.1	<0.1
OTD-2	Diesel Storage Tank 2	VOC	<0.1	<0.1
OTD-3	Diesel Storage Tank 3	VOC	<0.1	<0.1
LO-1	Gas Turbine GT-6A Lube Oil Vent	VOC	<0.1	0.2
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	<0.1	0.2
LO-2	Gas Turbine GT-6B Lube Oil Vent	VOC	<0.1	0.2
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	<0.1	0.2
LO-3	Steam Turbine Lube Oil Vent	VOC	<0.1	0.2
		PM/PM <sub>10</sub> / PM <sub>2.5</sub>	<0.1	0.2
FUG-6	Unit 6 Piping Fugitives (10)	VOC	0.3	1.5
		H <sub>2</sub> S	<0.1	0.1
		NH <sub>3</sub>	0.5	2.2
		Cl <sub>2</sub>	<0.1	0.4
OTA-1	Ammonia Storage Tank 1	NH <sub>3</sub>	<0.1	0.4
CT-1467-4	Cooling Tower 4	PM	5.94	26.04
		PM <sub>10</sub>	0.38	1.67
		PM <sub>2.5</sub>	0.01	0.03
		HOCI (5)	<0.1	<0.1
CT-1467-6	Cooling Tower 6	PM	1.49	6.51
		PM <sub>10</sub>	0.10	0.42
		PM <sub>2.5</sub>	0.002	0.01

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		HOCI (5)	<0.1	<0.1
FUG-4	Unit 4 Fugitives (10)	VOC	0.5	2.2
		Cl <sub>2</sub>	0.08	0.35
MSSFUG	MSSFUG MSS Fugitive Emissions (ILE) (10)	NO <sub>x</sub>	<0.01	<0.01
		со	<0.01	<0.01
		PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		voc	7.00	1.07
		NH <sub>3</sub>	<0.01	<0.01

- (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) 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
  - 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<sub>10</sub> total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>
  - PM<sub>2.5</sub> particulate matter equal to or less than 2.5 microns in diameter
  - $H_2SO_4$  sulfuric acid  $H_2S$  - hydrogen sulfide  $NH_3$  - anhydrous ammonia
  - Cl<sub>2</sub> chlorine
  - HOCl hypochlorous acid
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Inorganic compounds calculated at HOCI.
- (6) For Unit 6, the annual NO<sub>x</sub> emissions for Simple Cycle Operations assumes up to 2,500 hours of startup, shutdown, and low load operation per turbine.
- (7) For Unit 6, the annual NO<sub>x</sub> emissions after HRSG installation is determined assuming a limitation of 2,500 hours of simple cycle operation and up to 2,500 hours of startup, shutdown, and low load operation per turbine.
- (8) High Load Operation is defined in Special Condition No. 6(A)(1).
- (9) Low Load Operation is defined in Special Condition No. 6(A)(2).
- (10) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (11) The tpy emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.

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Emission	Sources	- Maximum	Allowable	Emission	Raies

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					Date:	March 20, 2015	