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	
140. (1)		Name (5)	lbs/hour	TPY (4)
S4-1	Westinghouse W501-B6 69 MW Turbine	NO _x	188	674
	with 124 MMBtu/hr Duct Burner (11)	СО	840	1,665
		SO ₂	17	12
		VOC	12	44
		PM/PM ₁₀	2	6
S4-2	Westinghouse W501-B6 69 MW Turbine	NO _x	188	674
	with 124 MMBtu/hr Duct Burner (11)	CO SO ₂	840	1,665
		SO ₂	17	12
		VOC	12	44
		PM/PM ₁₀	2	6
Unit 6 Simple Cyc	ele			
SC-S6A	GE Frame 7EA 70 MW Turbine	NO _x	174	-
	without Duct Burner	СО	233	-
	High Load Operation (8)	VOC	8	-
		PM/PM ₁₀	9	-
		SO ₂	14	-
		H ₂ SO ₄	2	-

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

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

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

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

		HOCI (5)	<0.1	<0.1
FUG-4	Unit 4 Fugitives (10)	VOC	0.5	2.2
		Cl ₂	0.08	0.35
MSSFUG	MSS Fugitive Emissions (ILE) (10)	NO _x	<0.01	<0.01
		СО	<0.01	<0.01
		РМ	<0.01	<0.01
		PM ₁₀	<0.01	<0.01
		PM _{2.5}	<0.01	<0.01
		VOC	7.00	1.07
		NH ₃	<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_x total oxides of nitrogen
 - CO carbon monoxide
 - VOC volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - SO₂ sulfur dioxide
 - PM total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
 - PM_{10} total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
 - PM_{2.5} 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
 - Cl₂ chlorine
 - HOCI 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 NOx 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 NOx 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.

Permit Numbers	1467	and	PSDT)	<1090
Page 7				

- mississ	Caurage	Marinarum	Allow coblo	- mississ	Datas
Emission	Sources	- Maximum	Allowable	Emission	Raies

both normal ope	11) The tpy emission limit specified in the MAERT for this facility includes emissions from the facility durin both normal operations and planned MSS activities.			
			Date:	October 31, 2012