Permit Numbers 105810 and PSDTX1308

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	
1 01111 1101 (1)		Traine (0)	lbs/hour	TPY (4)
	Option	n 1		
CBY51	Combined Cycle	NO _x	20.4	73.8
		NO _x (MSS)	42.0	-
		со	24.8	44.9
		CO (MSS)	159.9	-
		VOC	4.4	11.7
		VOC (MSS)	34.6	-
		РМ	20.2	70.3
		PM ₁₀	20.2	70.3
		PM _{2.5}	20.2	70.3
		SO ₂	3.9	14.2
		H ₂ SO ₄	2.8	9.8
		NH ₃	26.4	95.6

CBY51b	GE 7FA (5) Simple Cycle	NO _x	73.2	91.5
	Simple Cycle	NO _x (MSS)	74.5	
		со	35.6	44.5
		CO (MSS)	164.2	-
		VOC	3.4	4.3
		VOC (MSS)	34.2	-
		РМ	9.0	11.3
		PM ₁₀	9.0	11.3
		PM _{2.5}	9.0	11.3
		SO ₂	3.0	3.7
		H ₂ SO ₄	0.2	0.3
CBY52	GE 7FA (5) Combined Cycle	NO _x	20.4	73.8
	Communical Cycle	NO _x (MSS)	42.0	-
		СО	24.8	44.9
		CO (MSS)	159.9	-
		VOC	4.4	11.7
		VOC (MSS)	34.6	-
		РМ	20.2	70.3
		PM ₁₀	20.2	70.3
		PM _{2.5}	20.2	70.3
		SO ₂	3.9	14.2
		H ₂ SO ₄	2.8	9.8
		NH ₃	26.4	95.6
CBY52b	GE 7FA (5) Simple Cycle	NO _x	73.2	91.5
	- 1 5/5:-5	NO _x (MSS)	74.5	-

		СО	35.6	44.5
		CO (MSS)	164.2	-
		VOC	3.4	4.3
		VOC (MSS)	34.2	-
		PM	9.0	11.3
		PM ₁₀	9.0	11.3
		PM _{2.5}	9.0	11.3
		SO ₂	3.0	3.7
		H ₂ SO ₄	0.2	0.3
AUX-BLR	Auxiliary Boiler	NO _x	1.60	3.20
		СО	2.96	5.92
		VOC	0.43	0.86
		РМ	0.60	1.19
		PM ₁₀	0.60	1.19
		PM _{2.5}	0.60	1.19
		SO ₂	0.06	0.11
CBY51, CBY51b,	Annual Cap	NO _x	-	300.11
CBY52, CBY52b, and		СО	-	160.30
AUX-BLR		VOC	-	23.48
		РМ	-	140.60
		PM ₁₀	-	140.60
		PM _{2.5}	-	140.60
		SO ₂	-	30.10
		H ₂ SO ₄	-	19.54
	Optio	on 2		

CBY51	Siemens F5 (5) Combined Cycle	NO _x	22.2	83.5
	Combined Cycle	NO _x (MSS)	39.0	-
		со	27.0	50.9
		CO (MSS)	284.1	-
		VOC	4.9	11.8
		VOC (MSS)	16.1	-
		РМ	21.7	72.6
		PM ₁₀	21.7	72.6
		PM _{2.5}	21.7	72.6
		SO ₂	4.2	15.8
		H ₂ SO ₄	3.0	10.8
		NH ₃	28.7	107.9
CBY51b	CBY51b Siemens F5 (5) Simple Cycle	NO _x	78.7	98.3
	Cpro Oyoro	NO _x (MSS)	74.8	-
		СО	21.3	26.6
		CO (MSS)	280.5	-
		VOC	3.0	3.8
		VOC (MSS)	14.9	-
		РМ	9.0	11.3
		PM ₁₀	9.0	11.3
		PM _{2.5}	9.0	11.3
		SO ₂	3.1	3.9
		H ₂ SO ₄	0.3	0.3
CBY52	Siemens F5 (5) Combined Cycle	NO _x	22.2	83.5
	23	NO _x (MSS)	39.0	-

1	T			1
		СО	27.0	50.7
		CO (MSS)	284.1	-
		voc	4.9	11.9
		VOC (MSS)	16.1	-
		PM	21.7	72.6
		PM ₁₀	21.7	72.6
		PM _{2.5}	21.7	72.6
		SO ₂	4.2	15.8
		NH ₃	28.7	107.9
		H ₂ SO ₄	3.0	10.9
CBY52b	Siemens F5 (5) Simple Cycle	NO _x	78.7	98.3
	Cimple Gyele	NO _x (MSS)	74.8	-
		со	21.3	26.6
		CO (MSS)	280.5	-
		voc	3.0	3.8
		VOC (MSS)	14.9	-
		PM	9.0	11.3
		PM ₁₀	9.0	11.3
		PM _{2.5}	9.0	11.3
		SO ₂	3.1	3.9
		H ₂ SO ₄	0.3	0.3
AUX-BLR	Auxiliary Boiler	NO _x	1.60	3.20
		СО	2.96	5.92
		VOC	0.43	0.86
		PM	0.60	1.19

		PM ₁₀	0.60	1.19
		PM _{2.5}	0.60	1.19
		SO ₂	0.06	0.11
CBY51, CBY51b,	Annual Cap	NO _x	-	196.63
CBY52, CBY52b, and	CBY52,	СО	-	137.66
AUX-BLR		VOC	-	23.52
		РМ	-	144.42
		PM ₁₀	-	144.42
		PM _{2.5}	-	144.42
		SO ₂	-	34.15
		H ₂ SO ₄	-	21.63
	Optio	n 3		
CBY51	MHI 501G (5) Combined Cycle	NO _x	24.8	86.9
	Combined Syste	NO _x (MSS)	40.3	-
		СО	30.2	52.9
		CO (MSS)	282.6	-
		VOC	4.9	11.7
		VOC (MSS)	17.0	-
		РМ	21.7	73.1
		PM ₁₀	21.7	73.1
		PM _{2.5}	21.7	73.1
		SO ₂	4.9	17.2
		H ₂ SO ₄	3.5	11.7
		NH ₃	32.1	112.6

	MHI 501G (5) Simple Cycle	NO _x	92.7	115.9
	Simple Cycle	NO _x (MSS)	68.6	-
		СО	62.7	78.4
		CO (MSS)	296.1	-
		VOC	3.6	4.5
		VOC (MSS)	16.5	-
		РМ	9.0	11.3
		PM ₁₀	9.0	11.3
		PM _{2.5}	9.0	11.3
		SO ₂	3.9	4.9
		H ₂ SO ₄	0.3	0.4
CBY52	CBY52 MHI 501G (5) Combined Cycle	NO _x	24.8	86.9
		NO _x (MSS)	40.3	-
		СО	30.2	52.9
		CO (MSS)	282.6	-
		VOC	4.9	11.7
		VOC (MSS)	17.0	-
		РМ	21.7	73.1
		PM ₁₀	21.7	73.1
		PM _{2.5}	21.7	73.1
		SO ₂	4.9	17.2
		H ₂ SO ₄	3.5	11.7
		NH ₃	32.1	112.6
CBY52b	MHI 501G (5) Simple Cycle	NO _x	92.7	115.9
	- 1 - 1 - 1 - 1	NO _x (MSS)	68.6	-

		СО	62.7	78.4
		CO (MSS)	296.1	-
		VOC	3.6	4.5
		VOC (MSS)	16.5	-
		РМ	9.0	11.3
		PM ₁₀	9.0	11.3
		PM _{2.5}	9.0	11.3
		SO ₂	4.9	4.9
		H ₂ SO ₄	0.3	0.4
AUX-BLR	Auxiliary Boiler	NO _x	1.60	3.20
		СО	2.96	5.92
		VOC	0.43	0.86
		РМ	0.60	1.19
		PM ₁₀	0.60	1.19
		PM _{2.5}	0.60	1.19
		SO ₂	0.06	0.11
CBY51, CBY51b,	Annual Cap	NO _x	-	364.67
CBY52, CBY52b, and		СО	-	237.73
AUX-BLR		VOC	-	23.60
		РМ	-	146.15
		PM ₁₀	-	146.15
		PM _{2.5}	-	146.15
		SO ₂	-	36.06
		H ₂ SO ₄	-	23.48
	Ancillary Er	nissions		

_				
CBY51-LOV	Turbine 1 Lube Oil Vent	PM ₁₀	0.02	0.09
		PM _{2.5}	0.01	0.04
CBY52-LOV	Turbine 2 Lube Oil Vent	PM ₁₀	0.02	0.09
		PM _{2.5}	0.01	0.04
CBYST1-LOV	Steam Turbine 1 Lube Oil Vent	PM ₁₀	0.02	0.09
		PM _{2.5}	0.01	0.04
CBYST2-LOV	Steam Turbine 2 Lube Oil Vent	PM ₁₀	0.02	0.09
		PM _{2.5}	0.01	0.04
C-TOWER1	Cooling Tower 1	PM	4.50	19.73
		PM ₁₀	0.07	0.30
		PM _{2.5}	<0.01	0.01
C-TOWER2	Cooling Tower 2	PM	4.50	19.73
		PM ₁₀	0.07	0.30
		PM _{2.5}	<0.01	0.01
FUG-NGAS	Natural Gas Fugitives (6)	VOC	0.17	0.74
FUG-SCR	SCR Piping Fugitives (6)	NH ₃	0.02	0.10
FUG-MSS	Miscellaneous MSS Activities (6)	NO _x	<0.01	<0.01
		СО	<0.01	<0.01
		VOC	1.97	0.58
		PM	0.05	<0.01
		PM ₁₀	0.02	<0.01
		PM _{2.5}	<0.01	<0.01
		SO ₂	<0.01	<0.01
		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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as

represented

PM₁₀ - 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

 $\begin{array}{lll} \text{CO} & - \text{ carbon monoxide} \\ \text{H}_2 \text{SO}_4 & - \text{ sulfuric acid} \\ \text{NH}_3 & - \text{ ammonia} \end{array}$

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.

(5) Planned maintenance, startup and shutdown (MSS) for all pollutants are 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) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date:	August 29, 2014	
-------	-----------------	--