#### Permit Numbers 102731 and PSDTX1294

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)	Emissio	n Rates
1 01111 140. (1)		ivanie (5)	lbs/hour	TPY (4)
	Option	n 1		
SRB51	GE 7FA (5) Combined Cycle	NO <sub>x</sub>	20.4	73.8
	Combined Cycle	NO <sub>x</sub> (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 <sub>10</sub>	20.2	70.3
		PM <sub>2.5</sub>	20.2	70.3
		SO <sub>2</sub>	3.9	14.2
		H <sub>2</sub> SO <sub>4</sub>	2.8	9.8
		NH <sub>3</sub>	26.4	95.6

SRB51b	GE 7FA (5) Simple Cycle	NO <sub>x</sub>	73.2	91.5
	Simple Cycle	NO <sub>x</sub> (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 <sub>10</sub>	9.0	11.3
		PM <sub>2.5</sub>	9.0	11.3
		SO <sub>2</sub>	3.0	3.7
		H <sub>2</sub> SO <sub>4</sub>	0.2	0.3
SRB52	GE 7FA (5) Combined Cycle	NO <sub>x</sub>	20.4	73.8
	Combined Cycle	NO <sub>x</sub> (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 <sub>10</sub>	20.2	70.3
		PM <sub>2.5</sub>	20.2	70.3
		SO <sub>2</sub>	3.9	14.2
		H <sub>2</sub> SO <sub>4</sub>	2.8	9.8
		NH₃	26.4	95.6
SRB52b	GE 7FA (5) Simple Cycle	NO <sub>x</sub>	73.2	91.5
	2,3,5	NO <sub>x</sub> (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 <sub>10</sub>	9.0	11.3
		PM <sub>2.5</sub>	9.0	11.3
		SO <sub>2</sub>	3.0	3.7
		H <sub>2</sub> SO <sub>4</sub>	0.2	0.3
AUX-BLR	Auxiliary Boiler	NO <sub>x</sub>	1.60	3.20
		СО	2.96	5.92
		VOC	0.43	0.86
		РМ	0.60	1.19
		PM <sub>10</sub>	0.60	1.19
		PM <sub>2.5</sub>	0.60	1.19
		SO <sub>2</sub>	0.06	0.11
SRB51, SRB51b,	Annual Cap	NO <sub>x</sub>	-	300.11
SRB52, SRB52b, and		СО	-	160.30
AUX-BLR		VOC	-	23.48
		PM	-	140.60
		PM <sub>10</sub>	-	140.60
		PM <sub>2.5</sub>	-	140.60
		SO <sub>2</sub>	-	30.10
		H <sub>2</sub> SO <sub>4</sub>	-	19.54
	Optio	on 2		

SRB51	Siemens F5 (5)	NO <sub>x</sub>	22.2	83.3
	Combined Cycle	NO <sub>x</sub> (MSS)	39.0	-
		СО	27.0	50.7
		CO (MSS)	284.1	-
		VOC	4.9	11.8
		VOC (MSS)	16.1	-
		РМ	21.7	72.2
		PM <sub>10</sub>	21.7	72.2
		PM <sub>2.5</sub>	21.7	72.2
		SO <sub>2</sub>	4.2	15.8
		H <sub>2</sub> SO <sub>4</sub>	3.0	10.8
		NH <sub>3</sub>	28.7	107.9
SRB51b	Siemens F5 (5) Simple Cycle	NO <sub>x</sub>	78.7	98.3
	Simple Syste	со	21.3	26.6
		CO (MSS)	280.5	-
		VOC	3.0	3.8
		VOC (MSS)	14.9	-
		РМ	9.0	11.3
		PM <sub>10</sub>	9.0	11.3
		PM <sub>2.5</sub>	9.0	11.3
		SO <sub>2</sub>	3.1	3.9
		H <sub>2</sub> SO <sub>4</sub>	0.3	0.3
SRB52	Siemens F5 (5) Combined Cycle	NO <sub>x</sub>	22.2	83.3
		NO <sub>x</sub> (MSS)	39.0	-
		СО	27.0	50.7

		CO (MSS)	284.1	_
		VOC	4.9	11.8
		VOC (MSS)	16.1	-
		PM	21.7	72.2
		PM <sub>10</sub>	21.7	72.2
		PM <sub>2.5</sub>	21.7	72.2
		SO <sub>2</sub>	4.2	15.8
		NH <sub>3</sub>	28.7	107.9
		H <sub>2</sub> SO <sub>4</sub>	3.0	10.8
SRB52b	Siemens F5 (5) Simple Cycle	NO <sub>x</sub>	78.7	98.3
	Simple Gyele	со	21.3	26.6
		CO (MSS)	280.5	-
		VOC	3.0	3.8
		VOC (MSS)	14.9	-
		PM	9.0	11.3
		PM <sub>10</sub>	9.0	11.3
		PM <sub>2.5</sub>	9.0	11.3
		SO <sub>2</sub>	3.1	3.9
		H <sub>2</sub> SO <sub>4</sub>	0.3	0.3
AUX-BLR	Auxiliary Boiler	NO <sub>x</sub>	1.60	3.20
		со	2.96	5.92
		VOC	0.43	0.86
		РМ	0.60	1.19
		PM <sub>10</sub>	0.60	1.19
		PM <sub>2.5</sub>	0.60	1.19

		SO <sub>2</sub>	0.06	0.11
SRB51, SRB51b,	Annual Cap	NO <sub>x</sub>	-	196.63
SRB51b, SRB52, SRB52b, and		СО	-	137.66
AUX-BLR		VOC	-	23.52
		РМ	-	144.42
		PM <sub>10</sub>	-	144.42
		PM <sub>2.5</sub>	-	144.42
		SO <sub>2</sub>	-	34.15
		H <sub>2</sub> SO <sub>4</sub>	-	21.63
	Optio	n 3		
SRB51	MHI 501G (5) Combined Cycle	NO <sub>x</sub>	24.8	86.9
	Some System	NO <sub>x</sub> (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 <sub>10</sub>	21.7	73.1
		PM <sub>2.5</sub>	21.7	73.1
		SO <sub>2</sub>	4.9	17.2
		H <sub>2</sub> SO <sub>4</sub>	3.5	11.7
		NH <sub>3</sub>	32.1	112.6

SRB51b	MHI 501G (5) Simple Cycle	NO <sub>x</sub>	92.7	115.9
	Simple Cycle	со	62.7	78.4
		CO (MSS)	296.1	-
		VOC	3.6	4.5
		VOC (MSS)	16.5	-
		PM	9.0	11.3
		PM <sub>10</sub>	9.0	11.3
		PM <sub>2.5</sub>	9.0	11.3
		SO <sub>2</sub>	3.9	4.9
		H <sub>2</sub> SO <sub>4</sub>	0.3	0.4
SRB52	MHI 501G (5) Combined Cycle	NO <sub>x</sub>	24.8	86.9
	Combined Cycle	NO <sub>x</sub> (MSS)	40.3	-
		со	30.2	52.9
		CO (MSS)	282.6	-
		VOC	4.9	11.7
		VOC (MSS)	17.0	-
		PM	21.7	73.1
		PM <sub>10</sub>	21.7	73.1
		PM <sub>2.5</sub>	21.7	73.1
		SO <sub>2</sub>	4.9	17.2
		H <sub>2</sub> SO <sub>4</sub>	3.5	11.7
		NH <sub>3</sub>	32.1	112.6
SRB52b	MHI 501G (5) Simple Cycle	NO <sub>x</sub>	92.7	115.9
	Simple Gyold	СО	62.7	78.4
		CO (MSS)	296.1	-

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		voc	3.6	4.5
		VOC (MSS)	16.5	-
		РМ	9.0	11.3
		PM <sub>10</sub>	9.0	11.3
		PM <sub>2.5</sub>	9.0	11.3
		SO <sub>2</sub>	3.9	4.9
		H <sub>2</sub> SO <sub>4</sub>	0.3	0.4
AUX-BLR	Auxiliary Boiler	NO <sub>x</sub>	1.60	3.20
		со	2.96	5.92
		voc	0.43	0.86
		РМ	0.60	1.19
		PM <sub>10</sub>	0.60	1.19
		PM <sub>2.5</sub>	0.60	1.19
		SO <sub>2</sub>	0.06	0.11
SRB51, SRB51b,	Annual Cap	NO <sub>x</sub>	-	364.67
SRB52, SRB52b, and		со	-	237.73
AUX-BLR		voc	-	23.60
		РМ	-	146.15
		PM <sub>10</sub>	-	146.15
		PM <sub>2.5</sub>	-	146.15
		SO <sub>2</sub>	-	36.06
		H <sub>2</sub> SO <sub>4</sub>	-	23.48
	Ancil	lary Emissions		
SRB51-LOV	Turbine 1 Lube Oil Vent	PM <sub>10</sub>	0.02	0.09
		PM <sub>2.5</sub>	0.01	0.04

SRB52-LOV	Turbine 2 Lube Oil Vent	PM <sub>10</sub>	0.02	0.09
CREST EST	Tarbine 2 Labe on Verit	PIVI <sub>10</sub>	0.02	0.09
		PM <sub>2.5</sub>	0.01	0.04
SRBST1-LOV	Steam Turbine 1 Lube Oil Vent	PM <sub>10</sub>	0.02	0.09
		PM <sub>2.5</sub>	0.01	0.04
SRBST2-LOV	Steam Turbine 2 Lube Oil Vent	PM <sub>10</sub>	0.02	0.09
		PM <sub>2.5</sub>	0.01	0.04
C-TOWER1	Cooling Tower 1	РМ	4.50	19.73
		PM <sub>10</sub>	0.07	0.30
		PM <sub>2.5</sub>	<0.01	0.01
C-TOWER2	Cooling Tower 2	РМ	4.50	19.73
		PM <sub>10</sub>	0.07	0.30
		PM <sub>2.5</sub>	<0.01	0.01
FUG-NGAS	Natural Gas Fugitives (6)	VOC	0.17	0.74
FUG-SCR	SCR Piping Fugitives (6)	NH <sub>3</sub>	0.02	0.10
FUG-MSS	Miscellaneous MSS Activities (6)	NO <sub>x</sub>	<0.01	<0.01
		СО	<0.01	<0.01
		VOC	1.97	0.58
		РМ	0.05	<0.01
		PM <sub>10</sub>	0.02	<0.01
		PM <sub>2.5</sub>	<0.01	<0.01
		SO <sub>2</sub>	<0.01	<0.01
		NH <sub>3</sub>	<0.01	<0.01

<sup>(1)</sup> Emission point identification - either specific equipment designation or emission point number from plot plan.

(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

<sup>(2)</sup> Specific point source name. For fugitive sources, use area name or fugitive source name.

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#### Emission Sources - Maximum Allowable Emission Rates

PM - total particulate matter, suspended in the atmosphere, including  $PM_{10}$  and  $PM_{2.5}$ , 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  $H_2SO_4$  - sulfuric acid  $NH_3$  - ammonia

(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: December 19, 2014
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