Permit Numbers 114698 and PSDTX1378

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 (4)	TPY (5)	
Model Option Siemens SGT6-5000F					
1	Unit 1 - Simple Cycle	NO _x	79.00	123.55	
	Combustion Turbine (CT) Model Siemens SGT6-5000F	NO _x MSS (6)	91.08		
		СО	32.40	170.67	
		CO MSS (6)	694.90		
		VOC	3.0	24.11	
		VOC MSS (6)	109.85		
		SO ₂	3.45	5.15	
		PM	13.23	15.95	
		PM ₁₀	13.23	15.95	
		PM _{2.5}	13.23	15.95	
		H ₂ SO ₄ (7)	0.61	0.89	
		Pb	0.01	0.02	
		HAP (excluding Pb)	1.59	2.32	
		Formaldehyde	0.83	1.21	
2	Unit 2 - Simple Cycle Combustion Turbine (CT) Model Siemens SGT6-5000F	NO _x	79.00	123.55	
		NO _x MSS (6)	91.08		
		CO	32.40	170.67	
		CO MSS (6)	694.90		
		VOC	3.0	24.11	
		VOC MSS (6)	109.85		
		SO ₂	3.45	5.15	
		PM	13.23	15.95	
		PM ₁₀	13.23	15.95	
		PM _{2.5}	13.23	15.95	
		H ₂ SO ₄ (7)	0.61	0.89	
		Pb	0.01	0.02	
		HAP (excluding Pb)	1.59	2.32	
		Formaldehyde	0.83	1.21	
3	Unit 3 - Simple Cycle	NOx	79.00	123.55	

Combustion Turbine (CT)

Project Number: 20074 Monde 10914 mens SGT6-5000 F

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		NOx MSS (6)	91.08	
		СО	32.40	170.67
		CO MSS (6)	694.90	
		VOC	3.0	24.11
		VOC MSS (6)	109.85	
		SO2	3.45	5.15
		PM	13.23	15.95
		PM10	13.23	15.95
		PM2.5	13.23	15.95
		H2SO4 (7)	0.61	0.89
		Pb	0.01	0.02
		HAP (excluding Pb)	1.59	2.32
		Formaldehyde	0.83	1.21
Model Option	General Electric (GE) 7FA.05			<u> </u>
1	Unit 1 - Simple Cycle	NOx	76.00	122.09
	Combustion Turbine (CT)	NOx MSS (6)	86.33	
	Model GE 7FA.05	СО	37.00	198.01
		CO MSS (6)	801.33	
		VOC	3.60	29.35
		VOC MSS (6)	133.20	
		SO2	3.10	4.66
		PM	9.90	14.82
		PM10	9.90	14.82
		PM2.5	9.90	14.82
		H2SO4 (7)	0.32	0.47
		Pb	0.01	0.02
		HAP (excluding Pb)	1.55	2.26
		Formaldehyde	0.81	1.18
2	Unit 2 - Simple Cycle	NOx	76.00	122.09
	Combustion Turbine (CT)	NOx MSS (6)	86.33	
	Model GE 7FA.05	СО	37.00	198.01
		CO MSS (6)	801.33	
		VOC	3.60	29.35
		VOC MSS (6)	133.20	
		SO2	3.10	4.66
		PM	9.90	14.82
		PM10	9.90	14.82
		PM2.5	9.90	14.82
		H2SO4 (7)	0.32	0.47

Project Numbers: 200745 and 200911

		Pb	0.01	0.02
		HAP (excluding Pb)	1.55	2.26
		Formaldehyde	0.81	1.18
3	Unit 3 - Simple Cycle	NOx	76.00	122.09
	Combustion Turbine (CT)	NOx MSS (6)	86.33	
	Model GE 7FA.05	СО	37.00	198.01
		CO MSS (6)	801.33	
		VOC	3.60	29.35
		VOC MSS (6)	133.20	
		SO2	3.10	4.66
		PM	9.90	14.82
		PM10	9.90	14.82
		PM2.5	9.90	14.82
		H2SO4 (7)	0.32	0.47
		Pb	0.01	0.02
		HAP (excluding Pb)	1.55	2.26
		Formaldehyde	0.81	1.18

Project Numbers: 200745 and 200911

Emission Point No. (1)	Source Name (2)	Air Contaminant Name	Emission Rates	
		(3)	lbs/hour (4)	TPY (5)
Model Option Ge	eneral Electric (GE) 7FA.04			
C	Unit 1 - Simple Cycle	NO _x	69.00	111.51
	Combustion Turbine (CT)	NO _x MSS (6)	82.00	
	Model GE 7FA.04	СО	33.00	125.38
		CO MSS (6)	434.00	
		VOC	3.60	11.83
		VOC MSS (6)	37.20	
		SO ₂	2.88	4.33
		PM	9.90	14.82
		PM ₁₀	9.90	14.82
		PM _{2.5}	9.90	14.82
		H ₂ SO ₄ (7)	0.30	0.44
		Pb	0.01	0.01
		HAP (excluding Pb)	1.43	2.09
		Formaldehyde	0.75	1.09
2	Unit 2 - Simple Cycle Combustion Turbine (CT) Model GE 7FA.04	NO _x	69.00	111.51
		NO _x MSS (6)	82.00	
		СО	33.00	125.38
		CO MSS (6)	434.00	
		VOC	3.60	11.83
		VOC MSS (6)	37.20	
		SO ₂	2.88	4.33
		PM	9.90	14.82
		PM ₁₀	9.90	14.82
		PM _{2.5}	9.90	14.82
		H ₂ SO ₄ (7)	0.30	0.44
		Pb	0.01	0.01
		HAP (excluding Pb)	1.43	2.09
		Formaldehyde	0.75	1.09

Emission	Source Name (2)	Air Contaminant Name	Emission Rates	
Point No. (1)		(3)	lbs/hour (4)	TPY (5)
3	Unit 3 - Simple Cycle	NO _x	69.00	111.51
	Combustion Turbine (CT)	NO _x MSS (6)	82.00	
	Model GE 7FA.04	СО	33.00	125.38
		CO MSS (6)	434.00	
		VOC	3.60	11.83
		VOC MSS (6)	37.20	
		SO ₂	2.88	4.33
		PM	9.90	14.82
		PM ₁₀	9.90	14.82
		PM _{2.5}	9.90	14.82
		H ₂ SO ₄ (7)	0.30	0.44
		Pb	0.01	0.01
		HAP (excluding Pb)	1.43	2.09
		Formaldehyde	0.75	1.09
EMGEN	Emergency Generator Engine	NO _x	30.91	1.55
		СО	16.91	0.85
		VOC	2.07	0.10
		SO ₂	0.03	0.01
		PM	0.97	0.05
		PM ₁₀	0.97	0.05
		PM _{2.5}	0.97	0.05
		H ₂ SO ₄ (7)	0.01	0.01
		HAP (excluding Pb)	0.03	0.01
		Formaldehyde	0.01	0.01
FWPUMP	Fire Water Pump Engine	NO _x	3.78	0.19
		СО	3.84	0.19
		VOC	1.45	0.07
		SO ₂	0.01	0.01
		PM	0.19	0.01
		PM ₁₀	0.19	0.01
		PM _{2.5}	0.19	0.01
		H ₂ SO ₄ (7)	0.01	0.01
		HAP (excluding Pb)	0.02	0.01
		Formaldehyde	0.01	0.01
MSSFUG	Maintenance Activities (8)	NO _x	0.01	0.01
Week ee		СО	0.01	0.01
		VOC	0.30	0.01
		PM	0.20	0.04
		PM ₁₀	0.20	0.04
		PM _{2.5}	0.20	0.04
		HAP (excluding Pb)	0.30	0.01
FUG	Fugitives(8)	voc	0.01	0.06
		HAP (excluding Pb)	0.01	0.06

DEGTK	Diesel Emergency Generator Tank	voc	0.02	0.01
DFWPTK	Diesel Fire Water Pump Tank	VOC	0.02	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 $PM_{2.5}$ PM₁₀ total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
 - PM_{2.5} particulate matter equal to or less than 2.5 microns in diameter
 - H₂SO₄ sulfuric acid
 - Pb lead
 - HAP hazardous air pollutant
- (4) Compliance with the pound-per-hour CT emission limits for NOx and CO is based on a three-hour rolling average for normal operation, and a block one-hour average for maintenance, startup and shutdown (MSS) operation.
- (5) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period. Annual limits include normal and planned MSS emissions.
- (6) Emission limits applicable during planned MSS activities. Hourly emissions of NO_x, CO, and VOC are the only emissions that are higher than emissions during normal operations. During CT MSS, normal operations emission limits apply to all pollutants not shown with separate MSS limits. The MSS hourly emission limits apply to any clock hour during which the CT has any operation in MSS mode.
- (7) $PM/PM_{10}/PM_{2.5}$ includes H_2SO_4 .
- (8) Fugitive emission rates are estimates and are enforceable through compliance with the applicable special conditions and permit application representations.

Date: September 22, 2014

Project Numbers: 200745 and 200911