Permit Numbers 21587 and PSDTX807

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	Emission Rates	
			lbs/hour	TPY (4)	
SJS1 (9)	80 MWe Gas Turbine- GE Frame 7EA and 550 MMBtu/hr Duct Burner	NO _x		439.4	
		СО		830.0	
		PM/PM ₁₀		50.9	
		VOC		38.8	
		SO ₂		18.6	
SJS2 (9)	80 MWe Gas Turbine- GE Frame 7EA and 550 MMBtu/hr Duct Burner	NO _x		439.4	
		СО		830.0	
		PM/PM ₁₀		50.9	
		VOC		38.8	
		SO ₂		18.6	
Case I: Turbines firing	fuel oil and duct burners fi	ring natural gas.			
SJS1 (6)(7)(8)	80 MWe Gas Turbine- GE Frame 7EA and 550 MMBtu/hr Duct Burner	NO _x	364.5		
		СО	563.0		
		PM/PM ₁₀	19.5		
		VOC	12.5		
		SO ₂	235.3		
SJS2 (6)(7)(8)	80 MWe Gas Turbine- GE Frame 7EA and 550 MMBtu/hr Duct Burner	NO _x	364.5		
		СО	563.0		
		PM/PM ₁₀	19.5		
		VOC	12.5		

		SO ₂	235.3	
Case II: Turbines firi	ng fuel oil and duct burners	unfired.		
SJS1 (6)(7)(8)	80 MWe Gas Turbine- GE Frame 7EA and 550 MMBtu/hr Duct Burner	NO _x	320.0	
		СО	401.0	
	Burrier	PM/PM ₁₀	15.0	
		VOC	5.5	
		SO ₂	235.0	
SJS2 (6)(7)(8)	80 MWe Gas Turbine- GE Frame 7EA and	NO _x	320.0	
	550 MMBtu/hr Duct Burner	СО	401.0	
	Burner	PM/PM ₁₀	15.0	
		VOC	5.5	
		SO ₂	235.0	
Case III: Turbines fir	ing natural gas and duct bu	rners unfired.		
SJS1 (6)(7)(8)	80 MWe Gas Turbine- GE Frame 7EA and	NO _x	62.0	
(0)(1)(8)	550 MMBtu/hr Duct Burner	СО	296.0	
	Burner	PM/PM ₁₀	7.0	
		VOC	2.2	
		SO ₂	0.7	
SJS2 (6)(7)(8)	80 MWe Gas Turbine- GE Frame 7EA and	NO _x	62.0	
	550 MMBtu/hr Duct Burner	СО	296.0	
		PM/PM ₁₀	7.0	
		VOC	2.2	
		SO ₂	0.7	
Case IV: Turbines firing natural gas and duct burners firing natural gas.				
SJS1 (6)(7)(8) Project Numbers: 189650 a	80 MWe Gas Turbine- GE Frame 7EA and 550 MMBtu/hr Duct	NOx	106.5	

		СО	496.0	
		PM/PM ₁₀	11.5	
		VOC	9.2	
		SO ₂	1.0	
SJS2 (6)(7)(8)	80 MWe Gas Turbine- GE Frame 7EA and 550 MMBtu/hr Duct Burner	NO _x	106.5	
		со	496.0	
		PM/PM ₁₀	11.5	
		VOC	9.2	
		SO ₂	1.0	
MSSFUG(10)	Miscellaneous Maintenance Activities	NO _x <0	0.01	<0.01
		CO <(0.01	<0.01
		PM	1.06	0.42
		PM ₁₀	1.06	0.42
		PM _{2.5}	1.06	0.42
		VOC	6.21	0.89
NGFUG	Site-wide Fugitives	VOC	0.19	0.83

- (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) Exempt Solvent Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

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 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} total particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emissions are based on 70°F ambient temperature with125 hours of fuel oil firing and 8,635 hours of natural gas firing per year, with duct burners in continuous operation firing natural gas.

- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Maximum hourly emissions are based on 20°F ambient temperature.
- (7) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, during any clock hour that includes one or more minutes of planned MSS activities, the pollutant's hourly emission limits that apply during planned MSS activities shall apply during that clock hour.
- (8) The tpy emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.
- (9) The lb/hr emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.
- (10)MSSFUG emission rates apply to all fuel firing scenarios.

Date:	September 23, 2013
Date.	Coptombol 20, 2010