Permit Numbers 40040 and PSDTX923

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	Emission Rates	
140. (1)		Name (3)	lbs/hour	TPY (4)
STACK1	Combustion Turbine	NO _x	34	
	Model ABB GT24	СО	254	
	Natural Gas Firing	VOC	17.6	
	l later and a day in ming	SO ₂	4.2	
	Normal,	PM ₁₀	20	
	Hold Point 2, and Transient Operation	NH ₃	25.2	
	ABB GT24	NO _x	34	
	N. J. O. J. E. C.	СО	105	
	Natural Gas Firing	VOC	10	
	Steam Injection Mode	SO ₂	5.2	
		PM ₁₀	24.3	
		NH ₃	24.7	
	ABB GT24	NO _x	77	
	Fuel Oil Firing	СО	310	
		VOC	18	
		SO ₂	111	
		PM ₁₀	112	
		NH ₃	31.1	
	ABB GT24 Startup and Shutdown	NO _x	990	
		СО	2,100	
	Operation (5)(6)	VOC	132	
	ABB GT24 Maintenance/CT Tuning (5)(6)	со	3,500	
STACK2	Combustion Turbine Model ABB GT24	NO _x	34	
		СО	254	
	Natural Gas Firing	VOC	17.6	
		SO ₂	4.2	
	Normal, Hold Point 2, and Transient Operation	PM ₁₀	20	
		NH ₃	25.2	
	ABB GT24	NO _x	34	

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		СО	105	
		VOC	10	
		SO ₂	5.2	
		PM ₁₀	24.3	
		NH ₃	24.7	
	ABB GT24	NO _x	77	
		СО	310	
	Fuel Oil Firing	VOC	18	
		SO ₂	111	
		PM ₁₀	112	
		NH ₃	31.1	
	ABB GT24	NO _x	990	
	Startup and Shutdown	СО	2,100	
	Operation (5)(6)	VOC	132	
	ABB GT24 Maintenance/CT Tuning (5)(6)	со	3,500	
STACK3	Combustion Turbine	NO _x	34	
	Model ABB GT24	СО	254	
	Natural Gas Firing	VOC	17.6	
	Natural Gas i illing	SO ₂	4.2	
	Normal,	PM ₁₀	20	
	Hold Point 2, and Transient Operation	NH ₃	25.2	
Ste	ABB GT24	NO _x	34	
	Noteral Coo Firing	СО	105	
	Natural Gas Firing	VOC	10	
	Steam Injection Mode	SO ₂	5.2	
		PM ₁₀	24.3	
		NH₃	24.7	
	ABB GT24	NO _x	77	
	Fuel Oil Firing	СО	310	
	Fuel Oil Firing	VOC	18	
		SO ₂	111	
		PM ₁₀	112	
		NH ₃	31.1	
	ABB GT24 Startup and Shutdown Operation (5)(6)	NO _x	990	
		CO	2,100	
	Ορειαιίστι (3)(0)	VOC	132	

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	ABB GT24 Maintenance/CT Tuning (5)(6)	СО	3,500	
STACK4	Combustion Turbine	NO _x	34	
	Model ABB GT24	СО	254	
	Natural Gas Firing	VOC	17.6	
	Tvatarar Sus Firing	SO ₂	4.2	
	Normal,	PM ₁₀	20	
	Hold Point 2, and Transient Operation	NH ₃	25.2	
	ABB GT24	NO _x	34	
		СО	105	
	Natural Gas Firing	VOC	10	
	Steam Injection Mode	SO ₂	5.2	
	,	PM ₁₀	24.3	
		NH ₃	24.7	
STACK4	ABB GT24	NO _x	77	
		СО	310	
	Fuel Oil Firing	VOC	18	
		SO ₂	111	
		PM ₁₀	112	
		NH ₃	31.1	
	ABB GT24	NO _x	990	
	Startup and Shutdown Operation (5)(6)	СО	2,100	
		VOC	132	
	ABB GT24 Maintenance/CT Tuning (5)(6)	со	3,500	
STACK1	ABB GT24 Annual Emissions	NO _x		611.2
STACK2		СО		865.9
	Includes all four CTs combined and all modes of operation.	VOC		132.4
		SO ₂		213.2
		PM ₁₀		478.4
		NH ₃		418.8
FUG	Site Fugitives (7)	VOC	0.29	1.27
		NH₄OH	0.15	0.65
/ent No. 1	Lube Oil Reservoir Vapor Extractor	VOC	0.003	0.01
Vent No. 2	Lube Oil Reservoir Vapor Extractor	VOC	0.003	0.01
Vent No. 3	Lube Oil Reservoir Vapor Extractor	VOC	0.003	0.01
Vent No. 4	Lube Oil Reservoir Vapor Extractor	VOC	0.003	0.01
	F 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	NO _x	<0.01	<0.01

СО	0.04	0.01
VOC	21	1.1
PM	4.5	0.1
PM ₁₀	4.5	0.1
PM _{2.5}	4.5	0.1
NH ₃	6.6	0.1

- (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 $PM_{2.5}$
 - PM_{10} 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
 - NH₃ ammonia
 - NH₄OH ammonium hydroxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Hourly emissions shown are the only emissions that are higher than emissions during normal operations. Normal operations emission limits apply to pollutants not shown that are emitted during CT maintenance, startup, and shutdown (MSS).
- (6) For CT MSS, CO emissions may exceed 2,100 lbs/hr no more than 50 hours per year for all turbines combined, but must never exceed 3,500 lbs/hr.
- (7) Emission rate is an estimate and is enforceable through compliance with the applicable special conditions and permit application representations.

Date:	May 22	2013

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