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	
		Name (3)	lbs/hour	TPY (4)
STACK1	Combustion Turbine	NO _x	34	
	Model ABB GT24	СО	254	
	Natural Gas Firing	VOC	17.6	
	-	SO ₂	4.2	
	Normal,	PM ₁₀	20	
	Hold Point 2	NH ₃	25.2	
	ABB GT24	NO _x	34	
	Natural Con Siring	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	
		NH₃	31.1	
	ABB GT24 Startup and Shutdown	NO _x	990	
		СО	2,100	
	Operation , and Transient 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	PM ₁₀	20	
		NH ₃	25.2	
	ABB GT24	NO _x	34	
		СО	105	

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I		VOC	10	
		VOC	5.2	
		SO ₂		
		PM ₁₀	24.3	
		NH ₃	24.7	
	ABB GT24	NO _x	77	
	Fuel Oil Firing	СО	310	
	. Ger Gur unig	VOC	18	
		SO ₂	111	
		PM ₁₀	112	
		NH ₃	31.1	
	ABB GT24	NO _x	990	
	Startup and Shutdown	СО	2,100	
	Operation , and Transient 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 liling	SO ₂	4.2	
	Normal,	PM ₁₀	20	
	Hold Point 2	NH ₃	25.2	
STACK3	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	
	ABB GT24	NO _x	77	
		CO	310	
	Fuel Oil Firing	VOC	18	
		SO ₂	111	
		PM ₁₀	112	
		NH ₃	31.1	
	ABB GT24	NO _x	990	
	Startup and Shutdown	CO	2,100	
	Operation , and			
	Transient Operation (5)(6)	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	
	Natural Gas Filling	SO ₂	4.2	
	Normal,	PM ₁₀	20	
	Hold Point 2	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	
	E 107.5.	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 , and Transient Operation (5)(6)	VOC	132	
	ABB GT24 Maintenance/CT Tuning (5)(6)	СО	3,500	
STACK1	ABB GT24 Annual Emissions	NO _x		611.2
STACK2	Includes all four CTs combined and	СО		865.9
STACK3 STACK4	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
Vent 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
MSS FUG	Inherently Low-Emitting Maintenance	NOx	<0.01	<0.01

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Activities (7)

		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
IG1	Stack 1 Ammonia Injection Grid 1 (7)	NH ₃	<0.01	0.02
V1	Stack 1 Ammonia Vaporizer 1 (7)	NH ₃	<0.01	0.02
IG2	Stack 2 Ammonia Injection Grid 2 (7)	NH ₃	<0.01	0.02
V2	Stack 2 Ammonia Vaporizer 2 (7)	NH ₃	<0.01	0.02
IG3	Stack 3 Ammonia Injection Grid 3 (7)	NH ₃	<0.01	0.02
V3	Stack 3 Ammonia Vaporizer 3 (7)	NH ₃	<0.01	0.02
IG4	Stack 4 Ammonia Injection Grid 4 (7)	NH ₃	<0.01	0.02
V4	Stack 4 Ammonia Vaporizer 4 (7)	NH ₃	<0.01	0.02

- (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 PM₁₀ 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
 - 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 transient operation, CT maintenance, startup, and shutdown (MSS).
- (6) For CT MSS and transient operation 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.

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Date:	April 5, 2016

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