Permit Numbers 38191 and PSDTX906

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	Source Name (2)		Air Contaminant Name (3)	Emission Rates	
Point No. (1)				lbs/hour	TPY (4)
STACK1	Combustion Turbine Model ABB GT24	Natural Gas	NO _x	34	
		Firing	СО	254	
	Normal,		VOC	17.6	
	Hold Point 2, and Transient Operation		РМ	24	
	Transient operation		PM ₁₀	24	
			SO ₂	5	
			NH ₃	26.8	
		Fuel Oil Firing	NO _x	75	
			СО	310	
			VOC	18	
			PM	111	
			PM ₁₀	111	
			SO ₂	109	
			NH ₃	31.8	
	ABB GT24	1	NO _x	990	
	Startup and Shutdown Operation (5)(6)		СО	2,100	
			VOC	132	
	ABB GT24 Maintenance/CT tuning (5)(6)		со	3,500	
	ABB GT24 Annual Emissions Includes all modes of operation		NO _x		151.6
			СО		259.3
			VOC		28.7
			PM		121.3
			PM ₁₀		121.3
			SO ₂		56.3
			NH ₃		119.2
STACK2		Natural Gas Firing	NO _x	34	
	Model ABB GT24		СО	254	

Normal,

Project Number: 198449 Point 2, and Transient Operation

1	i	ı			,
			VOC	17.6	
			PM	24	
			PM ₁₀	24	
			SO ₂	5	
			NH ₃	26.8	
		Fuel Oil Firing	NO _x	75	
			СО	310	
			VOC	18	
			PM	111	
			PM ₁₀	111	
			SO ₂	109	
			NH ₃	31.8	
	ABB GT24 Startup and Shutdown Operation (5)(6)		NO _x	990	
			СО	2,100	
			VOC	132	
	ABB GT24 Maintenance/CT tuning (5)(6)		со	3,500	
	ABB GT24 Annual Emissions Includes all modes of operation		NO _x		151.6
			СО		259.3
			VOC		28.7
			PM		121.3
			PM ₁₀		121.3
			SO ₂		56.3
			NH ₃		119.2
STACK3	Combustion Turbine Model ABB GT24	Natural Gas Firing	NO _x	34	
			СО	254	
	Normal, Hold Point 2, and Transient Operation		VOC	17.6	
			PM	24	
			PM ₁₀	24	
			SO ₂	5	
			NH ₃	26.8	
		Fuel Oil Firing	NO _x	75	
			СО	310	
			VOC	18	

		РМ	111	
		PM ₁₀	111	
		SO ₂	109	
		NH ₃	31.8	
ABB GT24	-	NO _x	990	
Startup and Shutdowr Operation (5)(6)	1	СО	2,100	
Operation (5)(6)		VOC	132	
ABB GT24 Maintenand (5)(6)	ce/CT tuning	со	3,500	
ABB GT24	Annual Emissions Includes all modes of operation	NO _x		151.6
		СО		259.3
molades all modes of t		VOC		28.7
		PM		121.3
		PM ₁₀		121.3
		SO ₂		56.3
		NH ₃		119.2

STACK4	Combustion Turbine Model ABB GT24 Natural Gas Firing	NO _x	34	
		СО	254	
	Normal, Hold Point 2,	VOC	17.6	
	and Transient Operation	PM	24	
		PM ₁₀	24	
		SO ₂	5	
		NH ₃	26.8	
	ABB GT24	NO _x	990	
	Startup and Shutdown Operation (5)(6)	СО	2,100	
	operation (o)(o)	VOC	132	
	ABB GT24 Maintenance/CT tuning (5)(6)	СО	3,500	
	ABB GT24	NO _x		131.4
	Annual Emissions Includes all modes of operation	СО		197.1
	includes all modes of operation	VOC		23.1
		PM		83.2
		PM ₁₀		83.2
		SO ₂		17.5
		NH ₃		119.2
STACK5	Combustion Turbine Model ABB GT24 Natural Gas Firing Normal, Hold Point 2,	NO _x	34	
		СО	254	
		VOC	17.6	
	and Transient Operation	РМ	24	
		PM ₁₀	24	
		SO ₂	5	
		NH ₃	26.8	
	ABB GT24 Startup and Shutdown Operation (5)(6)	NO _x	990	
		СО	2,100	
		VOC	132	
	ABB GT24 Maintenance/CT tuning (5)(6)	СО	3,500	
	ABB GT24 Annual Emissions Includes all modes of operation	NO _x		131.4
		СО		197.1
		VOC		23.1
		РМ		83.2
		PM ₁₀		83.2

		SO ₂		17.5
		NH ₃		119.2
STACK6	Combustion Turbine	NO _x	34	
	Model ABB GT24 Natural Gas Firing	СО	254	
	Normal, Hold Point 2,	VOC	17.6	
	and Transient Operation	PM	24	
		PM ₁₀	24	
		SO ₂	5	
		NH₃	26.8	
	ABB GT24 Startup and Shutdown	NO _x	990	
	Operation (5)(6)	СО	2,100	
		VOC	132	
	ABB GT24 Maintenance/CT tuning (5)(6)	со	3,500	
	ABB GT24 Annual Emissions Includes all modes of operation	NO _x		131.4
		СО		197.1
		VOC		23.1
		РМ		83.2
		PM ₁₀		83.2
		SO ₂		17.5
		NH₃		119.2
TANK1	2.2 Million-Gallon Diesel Tank	VOC	1.5	0.65
TANK2	2.2 Million-Gallon Diesel Tank	VOC	1.5	0.65
EMTANK1	600-Gallon Diesel Tank	VOC	0.05	<0.01
EMTANK2	600-Gallon Diesel Tank	VOC	0.05	<0.01
EMTANK3	600-Gallon Diesel Tank	VOC	0.05	<0.01
EMTANK4	600-Gallon Diesel Tank	VOC	0.05	<0.01
EMTANK5	600-Gallon Diesel Tank	voc	0.05	<0.01
EMTANK6	600-Gallon Diesel Tank	VOC	0.05	<0.01
FUG-IG1	NH₃ Grid Fugitive Emissions (7)	NH ₃	0.14	0.62
FUG-IG2	NH₃ Grid Fugitive Emissions (7)	NH ₃	0.14	0.62
FUG-IG3	NH₃ Grid Fugitive Emissions (7)	NH₃	0.14	0.62

FUG-IG4	NH₃ Grid Fugitive Emissions (7)	NH ₃	0.14	0.62
FUG-IG5	NH₃ Grid Fugitive Emissions (7)	NH ₃	0.14	0.62
FUG-IG6	NH₃ Grid Fugitive Emissions (7)	NH ₃	0.14	0.62
FUG-V1	NH₃ Vaporizer Fugitive Emissions (7)	NH ₃	0.14	0.62
FUG-V2	NH ₃ Vaporizer Fugitive Emissions (7)	NH ₃	0.14	0.62
FUG-V3	NH ₃ Vaporizer Fugitive Emissions (7)	NH ₃	0.14	0.62
FUG-V4	NH ₃ Vaporizer Fugitive Emissions (7)	NH ₃	0.14	0.62
FUG-V5	NH₃ Vaporizer Fugitive Emissions (7)	NH ₃	0.14	0.62
FUG-V6	NH₃ Vaporizer Fugitive Emissions (7)	NH ₃	0.14	0.62
LOR-1	Lube Oil Reservoir	VOC	0.003	0.01
	Vapor Extractor Vent (8)	PM	0.003	0.01
LOR-2	Lube Oil Reservoir Vapor Extractor Vent (8)	VOC	0.003	0.01
		PM	0.003	0.01
LOR-3	Lube Oil Reservoir	VOC	0.003	0.01
	Vapor Extractor Vent (8)	PM	0.003	0.01
LOR-4	Lube Oil Reservoir	VOC	0.003	0.01
	Vapor Extractor Vent (8)	PM	0.003	0.01
LOR-5	Lube Oil Reservoir Vapor Extractor Vent (8)	VOC	0.003	0.01
		PM	0.003	0.01
LOR-6	Lube Oil Reservoir Vapor Extractor Vent (8)	VOC	0.003	0.01
		PM	0.003	0.01
FUG	Normal Operations Site Fugitive Emissions (7)	VOC	0.44	1.91
		NH ₄ OH	0.22	0.98
MSSFUG	Maintenance Activities Site Fugitive Emissions (7)	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		

(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

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

SO₂ - sulfur dioxide

NH₃ - ammonia

NH₄OH - ammonium hydroxide

- (4) Compliance with annual emission limits 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, the number of hours that CO emissions may exceed 2,100 lb/hr is limited to no more than 75 hours per year for all turbines combined. The CO emissions shall not exceed 3,500 lb/hr during any of these 75 hours.
- (7) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (8) Compliance with lube oil extractor vent emission limits is demonstrated through periodic opacity readings in accordance with Title V Operating Permit Number O-1869.