

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 8414

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. 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	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
Inlet/Treated Gas Compressor Turbines (5)				
E-1-1	Inlet/Treated Gas Compressor 79.2	NO _x	19.1	
	Allison 501-KC5	CO	19.9	91.4
		VOC	0.5	2.2
E-1-2	Inlet/Treated Gas Compressor 79.2	NO _x	19.1	
	Allison 501-KC5	CO	19.9	91.4
		VOC	0.5	2.2
E-1-3	Inlet/Treated Gas Compressor 79.2	NO _x	19.1	
	Allison 501-KC5	CO	19.9	91.4
		VOC	0.5	2.2
E-1-4	Inlet/Treated Gas Compressor 79.2	NO _x	19.1	
	Allison 501-KC5	CO	19.9	91.4
		VOC	0.5	2.2
E-1-5	Inlet/Treated Gas Compressor 79.2	NO _x	19.1	
	Allison 501-KC5	CO	19.9	91.4
		VOC	0.5	2.2

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AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
E-1-6	Inlet/Treated Gas Compressor		NO _x	19.1
	79.2			
	Allison 501-KC5	CO	19.9	91.4
		VOC	0.5	2.2
Refrigeration Compressor Turbines (5)				
E-2-1	Refrigeration Compressor	NO _x	61.6	253.0
	Rolls Royce Avon Model 1535	CO		52.2
	283.0			
		VOC	0.6	5.3
E-2-2	Refrigeration Compressor	NO _x	61.6	253.0
	Rolls Royce Avon Model 1535	CO		52.2
	283.0			
		VOC	0.6	5.3
E-2-3	Refrigeration Compressor	NO _x	61.6	253.0
	Rolls Royce Avon Model 1535	CO		52.2
	283.0			
		VOC	0.6	5.3
Supplemental Duct Burner Firing (6)				
E-2-1	Refrigeration Compressor	NO _x	10.2	33.3
	Duct Burner	CO	3.1	10.3
		VOC	0.3	0.8
E-2-2	Refrigeration Compressor	NO _x	10.2	33.3
	Duct Burner	CO	3.1	10.3
		VOC	0.3	0.8
E-2-3	Refrigeration Compressor	NO _x	10.2	33.3
	Duct Burner	CO	3.1	10.3
		VOC	0.3	0.8

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Auxiliary Boiler (7)

E-3	Auxiliary Boiler 65.5 MMBtu/hr	NO _x	7.0	18.0
		CO	11.0	22.0
		VOC	0.6	1.3

Fugitives (4)

	Fugitives	VOC		1.1
E-6	Drum Mounted Incinerator	PM	0.15	<0.1
		VOC	0.07	<0.1
		CO	0.35	<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) VOC - volatile organic compounds as defined in General Rule 101.1
PM - particulate matter
CO - carbon monoxide
NO_x - total oxides of nitrogen
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Turbine lb/hr limits are based on worst conditions (100°F ambient) and ton per year (tpy) limits are based on average conditions (60°F ambient).
- (6) Duct Burner lb/hr limits are based on maximum firing rate of 84.7 MMBtu/hr and tpy limits are based upon firing rate of 63.3 MMBtu/hr.
- (7) Auxiliary Boiler limits are based upon manufacturer's data.

* Emission rates are based on and the facilities are limited by the

EMISSIONS SOURCE INFORMATION AND EMISSION RATES

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hr	TPY

following maximum operating schedule:

_____ Hrs/day _____ Days/week _____ Weeks/year or _____ 365
Hrs/year

Dated _____