

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 73507

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
C-1	Westinghouse 191M Turbine 20,000-bhp (7)	CO	23.47	75.46
		NO <sub>x</sub>	69.66	272.56
		PM <sub>10</sub>	1.97	6.15
		SO <sub>2</sub>	0.69	2.85
		VOC	0.92	2.25
	Westinghouse 191M Turbine 20,000-bhp (8)	CO	23.47	75.46
		NO <sub>x</sub>	69.66	272.56
		PM <sub>10</sub>	1.97	6.15
		SO <sub>2</sub>	0.69	2.85
		VOC	0.92	2.25
	Westinghouse 191M Turbine 20,000-bhp (9)	CO	8.62	37.73
		NH <sub>3</sub>	0.0	0.0
		NO <sub>x</sub>	9.33	40.89
		PM <sub>10</sub>	1.97	6.15
		SO <sub>2</sub>	0.69	2.85
		VOC	0.92	2.25
C1BD	Turbine Blowdown Vent (10)	VOC	14.57	63.80
CH-1	Compressor Engine 800 hp-Clark RA-8	CO	5.29	23.17
		NO <sub>x</sub>	37.04	162.22
		PM <sub>10</sub>	0.33	1.44
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	7.72
CH-2	Compressor Engine 800-hp Clark RA-8	CO	5.29	23.17
		NO <sub>x</sub>	37.04	162.22
		PM <sub>10</sub>	0.33	1.44
		SO <sub>2</sub>	0.01	0.02

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
		VOC	1.76	7.72
CH-3	Compressor Engine 800-hp Clark RA-8	CO	5.29	23.17
		NO <sub>x</sub>	37.04	162.22
		PM <sub>10</sub>	0.33	1.44
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	7.72
CH-4	Compressor Engine 997-hp Clark HSRA-8	CO	6.42	28.10
		NO <sub>x</sub>	44.91	196.70
		PM <sub>10</sub>	0.40	1.74
		SO <sub>2</sub>	0.01	0.02
		VOC	2.14	9.37
CH-5	Compressor Engine 1100-hp Clark HRA	CO	7.28	31.87
		NO <sub>x</sub>	50.93	223.06
		PM <sub>10</sub>	0.45	1.98
		SO <sub>2</sub>	0.01	0.02
		VOC	2.43	10.62
CH-6	Compressor Engine 1100-hp Clark HRA	CO	7.28	31.87
		NO <sub>x</sub>	50.93	223.06
		PM <sub>10</sub>	0.45	1.98
		SO <sub>2</sub>	0.01	0.02
		VOC	2.43	10.62
CH-7	Compressor Engine 800-hp Clark RA-8	CO	5.29	23.17
		NO <sub>x</sub>	37.04	162.22
		PM <sub>10</sub>	0.33	1.44
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	7.72
CH-8	Compressor Engine 997-hp Clark HSRA-8	CO	6.42	28.10
		NO <sub>x</sub>	44.91	196.70
		PM <sub>10</sub>	0.40	1.74
		SO <sub>2</sub>	0.01	0.02

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
CH-9	Compressor Engine 1100-hp Clark HRA-8	VOC	2.14	9.37
		CO	7.28	31.87
		NO <sub>x</sub>	50.93	223.06
		PM <sub>10</sub>	0.45	1.98
		SO <sub>2</sub>	0.01	0.02
		VOC	2.43	10.62
CH-10	Compressor Engine 997-hp Clark HSRA-8	CO	6.42	28.10
		NO <sub>x</sub>	44.91	196.70
		PM <sub>10</sub>	0.40	1.74
		SO <sub>2</sub>	0.01	0.02
		VOC	2.14	9.37
HP-1	Compressor Engine 800-hp Clark RA-8	CO	5.29	23.17
		NO <sub>x</sub>	37.04	162.22
		PM <sub>10</sub>	0.33	1.44
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	7.72
HP-3	Compressor Engine 800-hp Clark RA-8	CO	5.29	23.17
		NO <sub>x</sub>	37.04	162.22
		PM <sub>10</sub>	0.33	1.44
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	7.72
HP-4	Compressor Engine 800-hp Clark RA-8	CO	5.29	23.17
		NO <sub>x</sub>	37.04	162.22
		PM <sub>10</sub>	0.33	1.44
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	7.72
HP-5	Compressor Engine 800-hp Clark RA-8	CO	5.29	23.17
		NO <sub>x</sub>	37.04	162.22
		PM <sub>10</sub>	0.33	1.44
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	7.72

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
HP-6	Compressor Engine 800-hp Clark RA-8	CO	5.29	23.17
		NO <sub>x</sub>	37.04	162.22
		PM <sub>10</sub>	0.33	1.44
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	7.72
HP-7	Compressor Engine (7) 800-hp Clark RA-8	CO	5.29	23.17
		NO <sub>x</sub>	37.04	162.22
		PM <sub>10</sub>	0.33	1.44
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	7.72
HP-8	Compressor Engine 800-hp Clark RA-8	CO	5.29	23.17
		NO <sub>x</sub>	37.04	162.22
		PM <sub>10</sub>	0.33	1.44
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	7.72
HP-9	Compressor Engine (7) 800-hp Clark RA-8	CO	5.29	23.17
		NO <sub>x</sub>	37.04	162.22
		PM <sub>10</sub>	0.33	1.44
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	7.72
HP-10	Compressor Engine (7) 800-hp Clark RA-8	CO	5.29	23.17
		NO <sub>x</sub>	37.04	162.22
		PM <sub>10</sub>	0.33	1.44
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	7.72
HP-11	Compressor Engine (7) 800-hp Clark RA-8	CO	5.29	23.17
		NO <sub>x</sub>	37.04	162.22
		PM <sub>10</sub>	0.33	1.44
		SO <sub>2</sub>	0.01	0.02
		VOC	1.76	7.72

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
MA-1	Compressor Engine (7) 300-hp Clark MA-8	CO	1.98	8.69
		NO <sub>x</sub>	13.89	60.83
		PM <sub>10</sub>	0.13	0.57
		SO <sub>2</sub>	0.01	0.01
		VOC	0.66	2.90
MA-2	Compressor Engine (7) 300-hp Clark MA-8	CO	1.98	8.69
		NO <sub>x</sub>	13.89	60.83
		PM <sub>10</sub>	0.13	0.57
		SO <sub>2</sub>	0.01	0.01
		VOC	0.66	2.90
MA-3	Compressor Engine (7) 300-hp Clark MA-8	CO	1.98	8.69
		NO <sub>x</sub>	13.89	60.83
		PM <sub>10</sub>	0.13	0.57
		SO <sub>2</sub>	0.01	0.01
		VOC	0.66	2.90
FUGITIVE	Process Fugitives (4)	NH <sub>3</sub>	0.0	0.0
		VOC (5)	24.13	105.68
		VOC (6)	7.61	33.02

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.

(2) Specific point source names. For fugitive sources, use an area name or fugitive source name.

(3) CO - carbon monoxide

NH<sub>3</sub> - ammonia

NO<sub>x</sub> - nitrogen oxides

PM<sub>10</sub> - particulate matter equal and less than 10 microns in diameter.

SO<sub>2</sub> - sulfur dioxide

VOC - volatile organic compounds as defined in the Title 30 Texas Administrative Code § 101.1.

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (5) Pre emission control
- (6) Post emission control

- (7) Permanently shutdown if the represented equipment in oil and gas Standard Permit Registration Number 74738 is constructed and operating.
- (8) Pre control emissions if the represented equipment in oil and gas Standard Permit Registration Number 74738 has not begun operation.
- (9) Post control emissions
- (10) Twenty-four hours per rolling twelve months of startup, shutdown and maintenance emissions.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

24 Hrs/day 7 Days/week 52 Weeks/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.