

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 17692

This table lists the maximum allowable emission rates for all sources of air contaminants covered by this permit.

AIR CONTAMINANTS DATA

Emission (4)	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name	Name (2)	lb/hr	TPY
DT-1	DynaTest	NO _x	(7)	
		CO	344.7	
		VOC	91.5	(3)
		SO ₂	110.3	
		PM ₁₀	5.0	
DT-2	DynaTest	NO _x	(7)	
		CO	344.7	
		VOC	91.5	(3)
		SO ₂	110.3	
		PM ₁₀	5.0	
TEST-1	Turbine Testline (4)	NO _x	(7)	
		CO	375.0	
		VOC	103.0	(3)
		SO ₂	111.0	
		PM ₁₀	11.1	
CLTEST-1	Closed Loop Test Cell (5)	NO _x	(7)	
		CO	132.7	
		VOC	53.4	(3)
		SO ₂	5.3	
		PM ₁₀	5.0	
AUX-1	Dynatest Auxiliary Diesel Generator (2,020 hp)	NO _x	39.2	
		CO	24.4	
		VOC	0.8	(3)
		SO ₂	2.7	
		PM ₁₀	4.5	
AUX-2	Testline Auxiliary Diesel Generator (747 hp)	NO _x	17.2	
		CO	6.1	
		VOC	0.2	(3)
		SO ₂	1.6	

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Emission (4)	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name	Name (2)	lb/hr	TPY
COMP-1	Testline Compressor	PM ₁₀	1.7	
		NO _x	31.7	
		CO	1.8	
		VOC	1.8	(3)
		SO ₂	0.2	
		PM ₁₀	3.0	
Flare-1	Closed Loop Flare	NO _x	0.1	
		CO	0.9	
		VOC	0.1	(3)
		H ₂ S	0.03	0.004
		SO ₂	2.6	
CLFUG-1	Closed Loop Fugitives	VOC	0.4	1.2
COOL-1	Closed Loop Cooling Tower	VOC	0.2	0.03
G-PAINT	Building G Paint Shop	VOC	52.5	(6)
		PM	1.0	
F-PAINT	Building F Paint Shop	VOC	17.5	(6)
		PM	1.0	
F-FUG	Building F Paint Shop Fugitives	VOC	1.8	(6)

(1) Emission point identification - emission point number from plot plan.

(2) NO_x - nitrogen oxides

CO - carbon monoxide

VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

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PM₁₀ - particulate matter equal to or less than 10 microns in diameter.
Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

H₂S - hydrogen sulfide

- (3) The sum of the annual emissions (TPY) for these emission points shall not exceed:

NO_x: 163.3 TPY

CO: 90.7 TPY

VOC: 21.8 TPY

SO₂: 18.0 TPY

PM: 13.3 TPY

- (4) TEST-1 represents between 1 and 7 specific points of emission from the 1-7 turbines tested on the turbine testline at any given time.

- (5) CLTEST-1 represents between 1 and 4 specific points of emission from the turbine-compressor testing facility, Closed Loop Test Cell, at any given time.

- (6) The sum of the annual emissions (TPY) for these emission points shall not exceed:

VOC: 11.1 TPY (no more than 0.6 TPY from EPN F-FUG)

PM: 0.4 TPY

- (7) The sum of the short-term emissions (lb/hr) of NO_x from these emission points shall not exceed 2666.6 lb/hr. **(7/99)**

Dated _____