

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 17692

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)	<u>Emission Rates *</u>	
			lb/hr	TPY
DT-1	DynaTest Stack No. 1	NO _x	368.6	39.2
		CO	344.7	31.7
		VOC	91.5	8.5
		SO ₂	6.3	0.8
		PM	5.0	0.7
DT-2	DynaTest Stack No. 2	NO _x	368.6	39.2
		CO	344.7	31.7
		VOC	91.5	8.5
		SO ₂	6.3	0.8
		PM	5.0	0.7
TEST-1	Turbine Testline	NO _x	698.0	25.7
		CO	375.0	3.1
		VOC	103.0	0.7
		SO ₂	111.0	2.6
		PM	11.1	0.5
E-3(a-d)	Paint Shop	VOC	34.6	5.5
		PM	1.0	0.2
E-4(a-d)	Paint/Tear down Shop	VOC	28.4	5.0
		PM	1.0	0.2
E-4FUG	Paint/Tear down Shop Fugitives (4)	VOC	6.3	0.6
COMP-1 (Exemption No. 6, December 17, 1987)	Testline Compressor	NO _x	31.7	15.6
		CO	1.8	0.9
		VOC	1.8	0.9
		SO ₂	0.2	0.03

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		PM	3.0	1.5
E-2FUG	Fabrication shop/ Maintenance Building	VOC	15.1	0.2
(Exemption No. 75, May 6, 1993)		PM	24.3	0.4
CLTEST-1, 2, 3 and 4	Closed Loop Test Cell	NO _x	370.6	12.7
		CO	132.7	5.7
		VOC	53.4	2.6
		SO ₂	5.3	0.7
		PM	5.0	0.5
CLFUG-1	Closed Loop Fugitives (4)	VOC	0.4	1.2
E-200	Closed Loop Cooling Tower	VOC	0.2	0.03
T-160 (Exemption No. 53, August, 1994)	Seal Oil Tank	VOC	0.1	0.01
T-170 (Exemption No. 53, August, 1994)	Lube Oil Tank	VOC	0.1	0.01
Flare-1 (Exemption No. 80, August, 1994)	Closed Loop Flare	NO _x	0.1	0.01
		CO	0.9	0.12
		VOC	0.1	0.02
		H ₂ S	0.03	0.004
		SO ₂	2.6	0.33

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources, area name or fugitive source name.
- (3) NO_x - nitrogen oxides
CO - carbon monoxide
VOC - volatile organic compounds as defined in General Rule 101.1
SO₂ - sulfur dioxide
PM - particulate matter
H₂S - hydrogen sulfide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* Annual emission rates are based on and the facilities are limited by the following maximum operating schedule:

180 hrs/year at each of three load levels or 540 hrs/year total for the DynaTest stacks. Levels are no load, any load (computed at maximum load), and maximum load. DynaTest testing is additionally limited to 90 turbines tested per year with periods averaging six hours/test. Emission factors are based on a composite of GE data for LM2500, LM5000, and LM6000 Turbines.

985 hrs/year for EPN COMP-1, based on 120 hrs/year supporting TEST-1 operations, 585 hrs/year supporting DynaTest operations, and 280 hrs/year supporting the closed loop test cell.

Dated _____