

Emission Sources - Maximum Allowable Emission Rates

Permit Number 82554

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
EQT-001, EQT-002, and EQT-003	Combined emissions from Compressor Engine Catalytic Oxidizer Vents	VOC	1.95	6.51
		NOx	15.45	51.66
		CO	8.5	28.41
		PM ₁₀	0.01	0.03
		SO ₂	1.67	5.59
EQT-004	Glycol Reboiler Exhaust Vent (4.18 MMBtu/hr)	VOC	0.02	0.11
		NOx	0.23	0.99
		CO	0.38	1.66
		PM ₁₀	0.03	0.15
		SO ₂	0.06	0.28
EQT-005	Glycol Reboiler Exhaust Vent (4.18 MMBtu/hr)	VOC	0.02	0.11
		NOx	0.23	0.99
		CO	0.38	1.66
		PM ₁₀	0.03	0.15
		SO ₂	0.06	0.28

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
EQT-012	Thermal Oxidizer Exhaust Vent (0.5 MMBtu/hr)	VOC	2.56	11.21
		NOx	0.30	1.30
		CO	0.53	2.3
		PM ₁₀	0.16	0.68
		PM _{2.5}	0.16	0.68
		SO ₂	0.08	0.34
FUG-001	Piping Fugitives (5)	VOC	0.04	0.20
EMISSIONS FROM PLANNED START-UP AND SHUTDOWN ACTIVITIES				
EQT-006	Start-up of Emergency Generator (1,150 Hp) (6)	VOC	1.04	0.01
		NOx	3.8	0.05
		CO	5.32	0.07
		PM ₁₀	0.01	0.01
		SO ₂	0.14	0.01
EQT-011	Blowdown Silencer (6)	VOC	108.3	2.71
MSS-001	Decompression of piping in preparation of Pipeline Pigging (6)	VOC	10.16	0.01
MSS-002	Decompression of piping and process vessels in preparation of maintenance on Dehydration Units (6)	VOC	144.95	0.14

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
MSS-003	Decompression of piping and engine cylinders in preparation of maintenance on Internal Combustion Engines (6)	VOC	49.11	0.05
MSS-004	Decompression of piping in preparation of maintenance of Manual Valves and Relief Valves (6)	VOC	40.3	0.04
MSS-005	Calibration of Natural Gas Meter and Regulator Stations (6)	VOC	17.41	0.21

- (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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
 - VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
 - PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
 - CO - carbon monoxide
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) The emissions from these EPNs are only from the planned startup and shutdown activities listed in Special Condition No. 2. No maintenance emissions are included in these emissions.

Date March 6, 2012
: