EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 6051 and PSD-TX-55M3

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	Emission Rates * TPY**
BOZURN	Power Steam Boiler/ Zurn Auxiliary Boiler (Max 50 MMBtu/hr) (Avg 28 MMBtu/hr)	VOC	0.27	0.66
		NO_x	4.90	12.02
		CO	4.12	10.10
		SO_2	0.70	1.72
		PM_{10}	0.37	0.91
CLOAD	Condensate Loading	VOC	4.71	20.61
CMK201C	Compressor Engine 3 Waukesha L-7042GSI (1,200 Horsepower)	VOC	0.26	1.14
		NO_x	2.65	11.61
		CO	5.29	23.17
		SO_2	0.14	0.61
		PM_{10}	0.20	0.88
CMK201D	Compressor Engine 4 Waukesha L-7042GSI (1,200 Horsepower)	VOC	0.26	1.14
		NO_x	2.65	11.61
		CO	5.29	23.17
		SO_2	0.14	0.61
		PM_{10}	0.20	0.88
CMK201E	Compressor Engine 5 Waukesha L-7042GSI (1,200 Horsepower)	VOC	0.26	1.14
		NO_x	2.65	11.61
		CO	5.29	23.17
		SO_2	0.14	0.61
		PM_{10}	0.20	0.88
CT-1	Cooling Tower (4)	VOC	0.70	3.07

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EMPFWPUMP	Firewater Pump Engine	VOC	0.09	0.04
		NO_x	1.10	0.48
		CO	0.24	0.11
		SO_2	0.07	0.03
		PM_{10}	0.08	0.04
FL-CPLT	Cold Plant Flare (Emissions from Pilots Only)	VOC	0.01	0.01
		NO_x	0.03	0.14
		CO	0.16	0.70
		SO_2	0.01	0.01
FL-FLD	Well Flowline/Field Flare	VOC	5.84	22.09
		NO_x	0.55	2.12
		CO	2.82	10.91
		SO_2	0.01	0.01
FL-PROC	Plant Process Flare (Emissions from Pilots Only)	VOC	0.01	0.01
		NO_x	0.03	0.13
		CO	0.16	0.70
		SO_2	0.01	0.01
H-102	Inhibitor Oil Tank Bottoms Heater (15 MMBtu/hr)	VOC	0.08	0.35
		NO_x	1.47	6.44
		CO	1.24	5.43
		SO_2	0.21	0.92
		PM_{10}	0.11	0.48
INCINSTK	Tail Gas Incinerator Stack	VOC	1.97	8.63
		NO_x	35.78	156.72
		CO	566.77	2,482.45
		SO_2 (PSD)	(5)	1,095.00
		PM_{10} (PSD)	2.72	11.91
		H_2S	20.00	87.60
REGNHR	Molecular Sieve Regenerator Gas Heater (7.5 MMBtu/hr)	VOC	0.04	0.18
		NO_x	0.74	3.24
		CO	0.62	2.72
		SO_2	0.10	0.44
		PM_{10}	0.06	0.26
S2PIT	Sulfur Storage Pit	SO_2	0.01	0.03
		H_2S	0.01	0.01
S2TNK	Sulfur Storage Tank	H_2S	0.01	0.01

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SLOAD	Sulfur Railcar Loading Area (7)	SO_2	0.01	0.01
		H_2S	0.04	0.01
SITEFUG	Site Piping Fugitives (4)	VOC	1.81	7.94
		H_2S	2.35	10.27
STABHR	Condensate Stabilizer Heater (15 MMBtu/hr)	VOC	0.08	0.35
		NO_x	1.47	6.44
		CO	1.24	5.43
		SO_2 (PSD)	0.21	0.92
		PM_{10} (PSD)	0.11	0.48
V-109	Tank V-109	VOC	0.01	0.01
V-216	Tank V-216	VOC	0.58	0.01
V-217	Tank V-217	VOC	0.61	0.01
V-218	Tank V-218	VOC	0.02	0.01
V-516	Tank V-516	VOC	0.01	0.01
V-521	Tank V-521	VOC	17.95	0.19
WH2OPIT	Wastewater Pit	VOC	0.19	0.83
TURBOX501 or WHRU501	Turbine 501 Exhaust (41.75 MMBtu/hr)	VOC	0.09	(6)
		NO_x	16.67	(6)
		CO	41.68	(6)
		SO_2 (PSD)	0.58	(6)
		PM_{10} (PSD)	0.28	(6)
WHRU501	Waste Heat Recovery Unit 501 Duct Burner (25 MMBtu/hr)	VOC	0.13	0.57
		NO_x	2.45	10.73
		CO	2.06	9.02
		SO_2 (PSD)	0.35	1.53
		PM_{10} (PSD)	0.19	0.83

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TURBOX502 or WHRU502	Turbine 502 Exhaust (41.75 MMBtu/hr)	VOC	0.09	(6)
		NO_x	16.67	(6)
		CO	41.68	(6)
		SO_2 (PSD)	0.58	(6)
		PM_{10} (PSD)	0.28	(6)
WHRU502	Waste Heat Recovery Unit 502 Duct Burner (25 MMBtu/hr)	VOC	0.13	0.57
		NO_x	2.45	10.73
		CO	2.06	9.02
		SO_2 (PSD)	0.35	1.53
		PM_{10} (PSD)	0.19	0.83
TURBOX503 or WHRU503	Turbine 503 Exhaust (41.75 MMBtu/hr)	VOC	0.09	(6)
		NO_x	16.67	(6)
		CO	41.68	(6)
		SO_2 (PSD)	0.58	(6)
		PM_{10} (PSD)	0.28	(6)
WHRU503	Waste Heat Recovery Unit 503 Duct Burner (25 MMBtu/hr)	VOC	0.13	0.57
		NO_x	2.45	10.73
		CO	2.06	9.02
		SO_2 (PSD)	0.35	1.53
		PM_{10} (PSD)	0.19	0.83
TURBOX501, TURBOX502, TURBOX503, WHRU501, WHRU502, WHRU503	Emission Cap for all Turbines and Duct Burners Combined	VOC	0.62	2.72
		NO_x	40.69	151.71
		CO	89.54	325.87
		SO_2 (PSD)	2.59	11.34
		PM_{10} (PSD)	1.30	5.69

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(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) 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
CO - carbon monoxide
SO_2 - sulfur dioxide
PM_{10} - particulate matter equal to or less than 10 microns in diameter
H_2S - hydrogen sulfide

(4) Emission rate is an estimate and is enforceable through compliance with the applicable special conditions and permit application representations.
(5) Max hourly SO_2 emissions shall not exceed 350 pounds per hour. SO_2 emissions shall not exceed an average rate of 250 pounds per hour calculated on a 24-hour rolling average basis (daily maximum allowable SO_2 emission rate of 3 tons).
(6) The annual emissions from the turbines shall not exceed the caps shown of the turbines plus the duct burners combined.
(7) Allowable emissions until sulfur loading vapors are routed to the TGIs per Paragraph B of Special Condition No. 12.

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

_____Hrs/day _____Days/week _____Weeks/year or 8,760 Hrs/year

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