EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 21593

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)
BO-101	Turbine Group 1 with HRSG 1 and 2 (Natural Gas - Primary Fuel)	NO_x	33.79 (6)	19.40
		NO_x	3.38	
		CO	60.02	104.67
		SO_2	0.95	4.16
		VOC	6.98	12.20
		PM	2.34	10.23
		NH_3	1.22	6.99
BO-101	Turbine Group 1 with HRSG 1 and 2 (Ethane - Primary Fuel)	NO_x	4.69	
		CO	84.35	
		SO_2	0.67	
		VOC	9.38	
		PM	2.11	
		NH_3	1.22	
BO-102	Turbine Group 3 with HRSG 3 (Natural Gas - Primary Fuel)	NO_x	13.92	59.35
		CO	27.04	32.80
		SO_2	0.36	1.60
		VOC	2.95	3.70
		PM_{10}	0.87	3.83

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BO-103	Auxiliary Boiler	NO_x	28.00 (6)	12.26
		NO_x	2.80	
		CO	8.00	35.04
		SO_2	0.87	3.81
		VOC	1.12	4.91
		PM	1.40	6.13
		NH_3	0.67	2.89
ME-113	Flare	NO_x	3.11	10.23
		CO	6.20	20.42
		SO_2	0.01	0.01
		VOC	2.08	6.83
EP-101	Incinerator	NO_x	0.60	2.63
		CO	0.91	4.00
		SO_2	16.73	73.28
		VOC	0.28	0.87
		PM	0.08	0.36
		H_2S	0.01	0.01
EP-102	Turbine Lube Oil System	VOC	0.05	0.01
EP-103A	Cooling Towers	VOC	0.72	
		PM	0.11	
EP-103B	Cooling Towers	VOC	0.72	
		PM	0.11	
EP-103A & EP-103B	Cooling Towers	VOC		5.60

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		PM		0.84
EP-103C	Cooling Towers	VOC	0.94	4.12
		PM	0.14	0.62
EP-105	Methanol Tank Vent	VOC	9.59	0.04
EP-106	Corrosion Inhibitor Tank Vent	VOC	0.13	0.01
EP-107	Caustic Blowcase	VOC	0.01	0.01
SV-109	DEA Tank Vent	VOC	0.05	0.01
SV-110	Fresh Caustic Tank Vent	VOC	0.09	0.01
SV-111	Spent Caustic Tank Vent	VOC	0.01	0.02
SV-114	TEG Tank Vent	VOC	0.01	0.01
SV-153	Caustic Day Tank Vent	VOC	0.01	0.01
SV-162	Water Neutralization Tank Vent	VOC	0.01	0.01
SV-230	Caustic Water Blend Tank Vent	VOC	0.01	0.01
BLEACH1	Bleach Tank Vent	VOC	0.54	0.03
BLEACH2	Bleach Tank Vent	VOC	0.54	0.01
DIESEL1	Diesel Tank Vent	VOC	0.08	0.01
DIESEL2	Diesel Tank Vent	VOC	0.27	0.01
FLOC	Floculant Tank Vent	VOC	30.70	0.12
KEROSENE1	Kerosene Tank Vent	VOC	0.60	0.01
TRTCHEM1	Treatment Chemical Tank Vent	VOC	0.66	0.01
TRTCHEM2	Treatment Chemical Tank Vent	VOC	0.66	0.01
WATERTK1	Water Tank	VOC	0.01	0.01

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WATERTK2	Water Tank	VOC	0.01	0.01
PM-120A	Fire Engine	NO_x	0.04	0.10
		CO	0.01	0.02
		VOC	0.01	0.01
		SO_2	0.01	0.01
		PM	0.01	0.01
NH3TK1	Ammonia Tank No. 1	NH_3	0.08	0.18
Fugitives	Process Fugitives (5)	VOC	3.51	15.36

(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
HRVOC - highly reactive volatile organic compounds as defined in 30 TAC § 115.10
IOC-U - inorganic compounds (unspeciated)
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - 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
NH_3 - ammonia
H_2S - hydrogen sulfide
(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) Emissions limit which shall apply until commencement of continuous operation to the selective catalytic reduction (SCR) process as specified in Special Conditions Nos. 8(A) and 8(F).

Date: _____