Emission Sources - Maximum Allowable Emission Rates

Permit Number 74398

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)
B-3	Boiler 3	NO_X	1.42	6.23
		CO	1.46	6.40
		SO_2	0.02	0.10
		VOC	0.21	0.93
		PM	0.29	1.29
		PM_{10}	0.29	1.29
		$PM_{2.5}$	0.29	1.29
B-4	Boiler 4	NO_X	1.42	6.23
		CO	1.46	6.40
		SO_2	0.02	0.10
		VOC	0.21	0.93
		PM	0.29	1.29
		PM_{10}	0.29	1.29
		$PM_{2.5}$	0.29	1.29
H-2	Heater 2	NO_X	2.45	10.74
		CO	2.06	9.02
		SO_2	0.01	0.06
		VOC	0.13	0.59
		PM	0.19	0.82
		PM_{10}	0.19	0.82
		$PM_{2.5}$	0.19	0.82

Emission Sources - Maximum Allowable Emission Rates

H-3	Heater 3	NO_X	0.24	1.05
		CO	1.65	7.22
		SO_2	0.01	0.05
		VOC	0.11	0.47
		PM	0.15	0.65
		PM_{10}	0.15	0.65
		$PM_{2.5}$	0.15	0.65
H-4	Heater 4	NO_X	0.24	1.05
		CO	1.65	7.22
		SO_2	0.01	0.05
		VOC	0.11	0.47
		PM	0.15	0.65
		PM_{10}	0.15	0.65
		$PM_{2.5}$	0.15	0.65
FLR-1	Flare	NO_X	67.47	17.27
		CO	61.11	11.79
		SO_2	0.01	0.02
		VOC	191.57	15.27
		IOC-U	0.11	0.01
		HCl	0.78	0.69
		H_2SO_4	0.11	0.01
T-100	Tanks T-100 (uncontrolled)	VOC	23.48	-
		IOC-U	0.04	-
		H_2SO_4	0.01	-
T-200	Tanks T-200 (uncontrolled)	VOC	33.94	-
		IOC-U	0.04	-
		H_2SO_4	0.01	-
T-300	Tanks T-300 (uncontrolled)	VOC	37.89	-
		IOC-U	0.04	-

Emission Sources - Maximum Allowable Emission Rates

		H_2SO_4	0.01	-
T-400	Tanks T-400 (uncontrolled)	VOC	33.60	-
		IOC-U	0.04	-
		H_2SO_4	0.01	-
T-500	Tanks T-500 (uncontrolled)	VOC	37.16	-
		IOC-U	0.04	-
		H_2SO_4	0.01	-
T-600	Tanks T-600 (uncontrolled)	VOC	5.32	-
		IOC-U	0.04	-
		H_2SO_4	0.01	-
T-700	Tanks T-700 (uncontrolled)	VOC	5.36	-
		IOC-U	0.04	-
		H_2SO_4	0.01	-
T-1000	Tanks T-1000 (uncontrolled)	VOC	37.28	-
		IOC-U	0.04	-
		H_2SO_4	0.01	-
Tanks Cap (uncontrolled)		VOC	-	21.35
		IOC-U	-	0.17
		H_2SO_4	-	0.01
TT-W	West Tank Truck Loading (uncontrolled)	VOC	3.50	-
		IOC-U	0.02	-
		H_2SO_4	< 0.01	-
TT-E	East Tank Truck Loading (uncontrolled)	VOC	3.50	-
		IOC-U	0.01	-
		H_2SO_4	< 0.01	-
TT-399	North Tank Truck Loading (uncontrolled)	VOC	3.50	-
		IOC-U	0.01	-
		H_2SO_4	< 0.01	-
TT-600	600 Area Tank Truck Loading (uncontrolled)	VOC	3.50	-

Emission Sources - Maximum Allowable Emission Rates

		IOC-U	0.01	-
		H_2SO_4	< 0.01	-
TT-610	610 Area Tank Truck Loading (uncontrolled)	VOC	3.50	-
		IOC-U	0.01	-
		H_2SO_4	< 0.01	-
TT-700	700 Area Tank Truck Loading (uncontrolled)	VOC	3.50	-
		IOC-U	0.01	-
		H_2SO_4	< 0.01	-
TT-STAIN	Stainless Area Tank Truck Loading (uncontrolled)	VOC	3.50	-
		IOC-U	0.01	-
		H_2SO_4	< 0.01	-
TT-1000	1000 Area Tank Truck Loading (uncontrolled)	VOC	3.50	-
		IOC-U	0.01	-
		H_2SO_4	< 0.01	-
RC-1	Rail Car Loading (uncontrolled)	VOC	5.29	-
		IOC-U	0.02	-
		H_2SO_4	< 0.01	-
TTRCLOAD	Truck/Rail Loading Cap (uncontrolled)	VOC	-	9.11
		IOC-U	-	0.07
		H_2SO_4	-	< 0.01
BRG-1	Barge Loading (uncontrolled)	VOC	31.41	13.66
		IOC-U	0.05	0.25
		H_2SO_4	< 0.01	< 0.01
CT-1	Cooling Water System	PM (7)	1.08	4.74
		PM_{10} (7)	1.08	4.74
		$PM_{2.5}$ (7)	1.08	4.74
		PM	0.11	0.47
		PM_{10}	0.11	0.47
		$PM_{2.5}$	0.11	0.47

Emission Sources - Maximum Allowable Emission Rates

		VOC (5)	0.39	1.70
F-1	Fugitives (5)	VOC	1.99	8.71
		IOC-U	0.45	1.95
MSS-PMP	Pump Maintenance / Repair	VOC	0.02	< 0.01
		IOC-U	0.01	< 0.01
MSS-FLTR	Filter Change	VOC	0.02	< 0.01
		IOC-U	< 0.01	< 0.01
MSS-CD	Controlled Tank Degassing	VOC	9.58	2.54
		IOC-U	0.08	0.01
		NOX (6)	0.04	0.08
		CO (6)	0.14	0.24
		SO_2 (6)	< 0.01	< 0.01
		PM (6)	< 0.01	0.01
		PM_{10} (6)	< 0.01	0.01
		$PM_{2.5}$ (6)	< 0.01	0.01
MSS-TNK	Uncontrolled Tank Degassing	VOC	56.56	0.86
		IOC-U	0.71	0.01
		H2SO4	0.03	< 0.01
All Emission Points	Site Wide	Individual HAP	-	< 10.00
		Total HAPs	-	< 25.00

(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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
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
HCl - Hydrogen chloride
H_2SO_4 - Sulfuric acid
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

Emission Sources - Maximum Allowable Emission Rates

(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) Products of combustion for portable internal combustion engines. Two engines may be used for MSS at one time.
(7) These emission rates are authorized for the cooling tower drift eliminators rated at 0.01 drift or less which shall be replaced with drift eliminators rated at 0.001 drift or less by June 1, 2021.

Date: TBD