Emission Sources - Maximum Allowable Emission Rates

Permit Number 123325 & N206M2

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)
TANK 120-1	120 MBbl IFR Storage Tank	VOC	6.11	-
		H_2S	0.02	-
TANK 120-2	120 MBbl IFR Storage Tank	VOC	6.11	-
		H_2S	0.02	-
TANK 120-3	120 MBbl IFR Storage Tank	VOC	6.11	-
		H_2S	0.02	-
TANK 120-4	120 MBbl IFR Storage Tank	VOC	6.11	-
		H_2S	0.02	-
TANK 120-5	120 MBbl IFR Storage Tank	VOC	6.11	-
		H_2S	0.02	-
TANK 120-6	120 MBbl IFR Storage Tank	VOC	6.11	-
		H_2S	0.02	-
TANK 150-1	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-
TANK 150-2	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-
TANK 150-3	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-
TANK 150-4	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-
TANK 150-5	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-
TANK 150-6	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-

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TANK 150-7	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-
TANK 150-8	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-
TANK 150-9	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-
TANK 150-10	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-
TANK 150-11	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-
TANK 150-12	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-
TANK 150-13	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-
TANK 150-14	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-
TANK 150-15	150 MBbl IFR Storage Tank	VOC	6.19	-
		H_2S	0.02	-
TANK 250-1	250 MBbl IFR Storage Tank	VOC	5.43	-
		H_2S	0.02	-
TANK 250-2	250 MBbl IFR Storage Tank	VOC	5.43	-
		H_2S	0.02	-
TANK 250-3	250 MBbl IFR Storage Tank	VOC	5.43	-
		H_2S	0.02	-
TANK 250-4	250 MBbl IFR Storage Tank	VOC	5.43	-
		H_2S	0.02	-
TANK 250-5	250 MBbl IFR Storage Tank	VOC	5.43	-
		H_2S	0.02	-
TANK 250-6	250 MBbl IFR Storage Tank	VOC	5.43	-

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		H_2S	0.02	-
TANK 350-1	350 MBbl IFR Storage Tank	VOC	4.58	-
		H_2S	0.01	-
TANK 350-2	350 MBbl IFR Storage Tank	VOC	4.58	-
		H_2S	0.01	-
TANK-CAP	Annual Tank Cap	VOC	-	56.41
		H_2S	-	0.17
		H_2S	< 0.01	-
IFRLANDING	Controlled IFR Roof Landings	VOC	0.02	-
		H_2S	< 0.01	-
DEGAS	Controlled Tank Degassing	VOC	0.95	-
		H_2S	< 0.01	-
VC-1	Vapor Combustor 1	PM	< 0.01	-
		PM_{10}	< 0.01	-
		$PM_{2.5}$	< 0.01	-
		NO_x	9.94	-
		CO	9.93	-
		VOC	< 0.01	-
		SO_2	4.72	-
VC-2	Vapor Combustor 2	PM	< 0.01	-
		PM_{10}	< 0.01	-
		$PM_{2.5}$	< 0.01	-
		NO_x	9.94	-
		CO	9.93	-
		VOC	< 0.01	-
		SO_2	4.72	-
VC-3	Vapor Combustor 3	PM	< 0.01	-
		PM_{10}	< 0.01	-
		$PM_{2.5}$	< 0.01	-

Emission Sources - Maximum Allowable Emission Rates

		NO_x	9.94	-
		CO	9.93	-
		VOC	< 0.01	-
		SO_2	4.72	-
VC-5	Vapor Combustor 5	PM	< 0.01	-
		PM_{10}	< 0.01	-
		$PM_{2.5}$	< 0.01	-
		NO_x	9.94	-
		CO	9.93	-
		VOC	< 0.01	-
		SO_2	4.72	-
VC-CAP	Vapor Combustors Annual Cap	PM	-	0.05
		PM_{10}	-	0.05
		$PM_{2.5}$	-	0.05
		NO_x	-	20.50
		CO	-	33.60
		VOC	-	15.05
		SO_2	-	23.99
		H_2S	-	<0.01
SD4/5	Inerted Ship Loading Fugitives	VOC	8.30	12.14
		H_2S	0.03	0.04
FW-PUMP-A	Emergency Firewater Pump Engine	NO_x	1.81	0.09
		CO	0.30	0.02
		VOC	0.04	0.01
		SO_2	0.63	0.03
		PM	0.04	0.01
		PM_{10}	0.04	0.01
		$PM_{2.5}$	0.04	0.01
FW-PUMP-B	Emergency Firewater Pump Engine	NO_x	1.81	0.09

Emission Sources - Maximum Allowable Emission Rates

		CO	0.30	0.02
		VOC	0.04	0.01
		SO_2	0.63	0.03
		PM	0.04	0.01
		PM_{10}	0.04	0.01
		$PM_{2.5}$	0.04	0.01
BLR-A	Natural Gas Boiler A	NO_x	0.13	0.55
		CO	0.97	4.23
		VOC	0.02	0.09
		SO_2	0.01	0.03
		PM	0.09	0.38
		PM_{10}	0.09	0.38
		$PM_{2.5}$	0.09	0.38
BLR-B	Natural Gas Boiler B	NO_x	0.13	0.55
		CO	0.97	4.23
		VOC	0.02	0.09
		SO_2	0.01	0.03
		PM	0.09	0.38
		PM_{10}	0.09	0.38
		$PM_{2.5}$	0.09	0.38
BLR-C	Natural Gas Boiler C	NO_x	0.13	0.55
		CO	0.97	4.23
		VOC	0.02	0.09
		SO_2	0.01	0.03
		PM	0.09	0.38
		PM_{10}	0.09	0.38
		$PM_{2.5}$	0.09	0.38
MSS PIGGING	MSS Pigging	VOC	< 0.01	< 0.01
FUG	Fugitive Emissions (5)	VOC	0.37	1.64

Emission Sources - Maximum Allowable Emission Rates

(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
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
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.

Date: DRAFT