Emission Sources - Maximum Allowable Emission Rates

Permit Number 123325 and N206

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 80-1	80 MBbl VFR Storage Tank	VOC	0.18	0.01
TANK 80-2	80 MBbl VFR Storage Tank	VOC	0.18	0.01
TANK 80-3	80 MBbl VFR Storage Tank	VOC	0.18	0.01
TANK 80-4	80 MBbl VFR Storage Tank	VOC	0.18	0.01
TANK 120-8	120 MBbl IFR Storage Tank	VOC	0.27	0.26
		HAPs	0.01	0.01
TANK 120-9	120 MBbl IFR Storage Tank	VOC	0.27	0.26
		HAPs	0.01	0.01
TANK 120-11	120 MBbl IFR Storage Tank	VOC	0.27	0.26
		HAPs	0.01	0.01
TANK 120-12	120 MBbl IFR Storage Tank	VOC	0.27	0.26
		HAPs	0.01	0.01
TANK 120-14	120 MBbl IFR Storage Tank	VOC	0.27	0.26
		HAPs	0.01	0.01
TANK 120-15	120 MBbl IFR Storage Tank	VOC	0.27	0.26
		HAPs	0.01	0.01
TANK 120-17	120 MBbl IFR Storage Tank	VOC	0.27	0.15
		HAPs	0.01	0.01
TANK 120-18	120 MBbl IFR Storage Tank	VOC	0.27	0.15
		HAPs	0.01	0.01

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TANK 120-20	120 MBbl IFR Storage Tank	VOC	0.27	0.15
		HAPs	0.01	0.01
TANK 120-21	120 MBbl IFR Storage Tank	VOC	0.27	0.15
		HAPs	0.01	0.01
TANK 120-22	120 MBbl IFR Storage Tank	VOC	0.27	0.15
		HAPs	0.01	0.01
TANK 120-23	120 MBbl IFR Storage Tank	VOC	0.27	0.15
		HAPs	0.01	0.01
TANK 120-24	120 MBbl IFR Storage Tank	VOC	0.27	0.15
		HAPs	0.01	0.01
TANK 120-25	120 MBbl IFR Storage Tank	VOC	0.27	0.15
		HAPs	0.01	0.01
TANK 120-26	120 MBbl IFR Storage Tank	VOC	0.27	0.15
		HAPs	0.01	0.01
TANK 120-27	120 MBbl IFR Storage Tank	VOC	0.27	0.15
		HAPs	0.01	0.01
TANK 30-1	30 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 30-2	30 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 30-3	30 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 30-4	30 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 30-5	30 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 30-6	30 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 30-7	30 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 30-8	30 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 30-9	30 MBbl VFR Storage Tank	VOC	0.10	0.01

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TANK 30-10	30 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 15-1	15 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 15-2	15 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 15-3	15 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 15-4	15 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 15-5	15 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 15-6	15 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 15-7	15 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 15-8	15 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 15-9	15 MBbl VFR Storage Tank	VOC	0.10	0.01
TANK 15-10	15 MBbl VFR Storage Tank	VOC	0.10	0.01
VC-1	Vapor Combustor 1	PM	0.01	--
		PM_{10}	0.01	--
		$PM_{2.5}$	0.01	--
		NO_x	4.56	--
		CO	1.83	--
		VOC	2.54	--
		SO_2	0.01	--
		HAPs	0.01	--
VC-2	Vapor Combustor 2	PM	0.01	--
		PM_{10}	0.01	--
		$PM_{2.5}$	0.01	--
		NO_x	4.56	--
		CO	1.83	--

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		VOC	2.54	--
		SO_2	0.01	--
		HAPs	0.01	--
VC-CAP	Vapor Combustors Annual Cap	PM	--	0.01
		PM_{10}	--	0.01
		$PM_{2.5}$	--	0.01
		NO_x	--	9.90
		CO	--	4.00
		VOC	--	3.60
		SO_2	--	0.01
		HAPs	--	0.15
BD 6/7	Uncontrolled Barge Loading	VOC	0.17	0.08
SD4-1	Uncontrolled Ship Loading	VOC	0.13	0.03
SD4-2	Inerted Ship Loading Fugitives	VOC	3.63	8.82
		HAPs	0.15	0.36
IFRLANDING	IFR Roof Landings	VOC	0.35	3.33
DEGAS	Tank Degassing	VOC	0.52	0.03
BLR-A	Natural Gas Boiler A	NO_x	0.54	2.39
		CO	1.04	4.57
		VOC	0.02	0.09
		SO_2	0.01	0.03
		PM	0.09	0.41
		PM_{10}	0.09	0.41
		$PM_{2.5}$	0.09	0.41
BLR-B	Natural Gas Boiler B	NO_x	0.54	2.39
		CO	1.04	4.57
		VOC	0.02	0.09
		SO_2	0.01	0.03

Emission Sources - Maximum Allowable Emission Rates

		PM	0.09	0.41
		PM_{10}	0.09	0.41
		$PM_{2.5}$	0.09	0.41
FUG	Fugitive Emissions (5)	VOC	0.03	0.15
		HAPs	0.01	0.01
MSS INSTRUMENTS	Analytical Instruments MSS	VOC	0.07	0.01
MSS LOWVP	Low VP Small Equipment Fugitive MSS	VOC	0.01	0.02
MSS HIGHVP	High VP Small Equipment Fugitive MSS	VOC	0.09	0.02
MSS ORGANICCHEM	Organic Chemicals MSS	VOC	0.14	0.60
		HAPs	24.88	0.35
MSS WELD	Welding, Brazing, Soldering MSS	PM	1.95	0.23
		PM_{10}	1.95	0.23
		$PM_{2.5}$	1.95	0.23
MSS BOILERS	Boiler Deslagging MSS	PM	0.01	0.01
		PM_{10}	0.01	0.01
		$PM_{2.5}$	0.01	0.01

(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
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
(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.

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Date: February 5, 2016