Emission Sources - Maximum Allowable Emission Rates

Permit Number 73193

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 (5)
TK-1	Tank 1	VOC	0.02	0.08
TK2	Tank 2	VOC	1.19	0.11
TK-3	Tank 3	VOC	0.01	0.07
TK-4	Tank 4	VOC	1.19	0.09
TK-5	Tank 5	VOC	0.01	0.05
TK-6	Tank 6	VOC	1.19	0.13
TK-7	Tank 7	VOC	0.01	0.07
TK-8	Tank 8	VOC	1.19	0.23
TK-9	Tank 9	VOC	1.19	0.12
TK-10	Tank 10	VOC	1.19	0.21
TK-11	Tank 11	VOC	1.19	0.22
TK-12	Tank 12	VOC	1.19	0.12
TK-14	Tank 14	VOC	1.19	0.23
TK-19	Tank 19	VOC	1.01	0.05
TK-20	Tank 20	VOC	0.01	0.04
TK-21	Tank 21	VOC	0.01	0.05
TK-22	Tank 22	VOC	1.19	0.25
TK-23	Tank 20	VOC	0.01	0.05
TK-24	Tank 24	VOC	9.16	0.19

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TK-25	Tank 25	VOC	1.19	0.07
TK-27	Tank 27	VOC	1.19	0.07
TK-28	Tank 28	VOC	1.19	0.04
TK-30	Tank 30	VOC	1.19	0.04
TK-31	Tank 31	VOC	1.19	0.12
TK-32	Tank 32	VOC	1.19	0.04
TK-33	Tank 33	VOC	1.19	0.10
TK-38	Tank 38	VOC	1.19	0.14
TK-41	Tank 41	VOC	1.19	0.04
TK-51	Tank 51	VOC	10.63	0.10
TK-52	Tank 52	VOC	2.48	0.11
TK-53	Tank 53	VOC	10.63	0.09
TK-54	Tank 54	VOC	1.88	0.42
TK-55	Tank 55	VOC	1.51	0.56
TK-56	Tank 56	VOC	8.70	0.56
TK-58	Tank 58	VOC	1.51	0.56
TK-62	Tank 62	VOC	5.30	1.07
TK-63	Tank 63	VOC	0.01	0.03
TK-64	Tank 64	VOC	1.19	0.03
TK-65	Tank 65	VOC	1.19	0.13
TK-66	Tank 66	VOC	1.19	0.21
TK-69	Tank 69	VOC	1.19	0.04
TK-70	Tank 70	VOC	1.10	0.62
TK-71	Tank 71	VOC	0.01	0.05

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TK-72	Tank 72	VOC	5.30	0.98
TK-73	Tank 73	VOC	0.90	0.01
TK-74	Tank 74	VOC	5.95	0.16
TK-75	Tank 75	VOC	5.95	0.16
TK-81	Tank 81	VOC	0.18	0.01
TK-85	Tank 85	VOC	1.19	0.08
TK-87	Tank 87	VOC	1.19	0.16
TK-88	Tank 88	VOC	0.03	0.14
TK-508	Tank 508	VOC	3.58	0.23
DRUMHEAT	Heated Drums	VOC	0.02	0.05
		Polyphosphoric Acid	0.01	0.01
CT NORTH	North Cooling Tower	VOC	0.06	0.28
		PM/PM_{10}	0.07	0.30
CT SOUTH	South Cooling Tower	VOC	0.04	0.17
		PM/PM_{10}	0.04	0.18
OILHEAT	Hot Oil Heater	NOx	0.25	1.07
		CO	0.21	0.90
		VOC	0.01	0.06
		PM/PM_{10}	0.02	0.08
		SO_2	0.01	0.01
FUG	Plant-Wide Fugitives (4)	VOC	2.13	9.33
LOADFUG	Loading Loss Fugitives (4)	VOC	4.08	1.49
BOILER	Boiler	VOC	0.05	0.24
		NOx	0.98	4.29

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		CO	0.82	3.61
		SO_2	0.01	0.03
		PM/PM_{10}	0.07	0.33
TO-1	Thermal Oxidizer	VOC	0.97	0.24
		NOx	0.65	2.86
		CO	0.55	2.40
		SO_2	0.01	0.02
		$PM/PM_{10}/PM_{2.5}$	0.05	0.22
FL-1	Back-up Flare to Thermal Oxidizer	VOC	8.37	1.98
		NOx	0.05	0.03
		CO	0.19	0.12
		SO_2	0.01	0.01
S-18	SCRUBBER S-18	VOC	0.05	0.01
FUGMSS	Line Break	VOC	2.65	0.28
	Tank Maintenance	VOC	6.92	1.87
	SO2 Tank Maintenance	VOC	0.01	0.01
		SO_2	0.01	0.01
	NH3 Tank Maintenance	VOC	0.01	0.01
		NH_3	0.01	0.01
	Hot Oil Heater Drum Filling	VOC	0.01	0.01
	Vacuum Truck Loading	VOC	0.06	0.01
	Aerosol Degreasing/Lubricants	VOC	6.90	0.35

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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) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code ' 101.1
PM - particulate matter, suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
CO - carbon monoxide
NH_3 - ammonia
(4) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date: _____