

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 93260

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)
TK-419	Tank 419	VOC	18.78	22.48
		Benzene	0.66	0.79
TK-420	Tank 420	VOC	18.78	22.48
		Benzene	0.66	0.79
TK-421	Tank 421	VOC	18.78	22.48
		Benzene	0.66	0.79
TK-422	Tank 422	VOC	18.78	22.48
		Benzene	0.66	0.79
TK-423	Tank 423	VOC	18.78	22.48
		Benzene	0.66	0.79
TK-424	Tank 424	VOC	18.78	22.48
		Benzene	0.66	0.79
TK-425	Tank 425	VOC	18.78	22.48
		Benzene	0.66	0.79
TK-426	Tank 426	VOC	18.78	22.48
		Benzene	0.66	0.79
TK-427	Tank 427	VOC	18.78	22.48
		Benzene	0.66	0.79

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TK-302	Tank 302	VOC	13.44	22.48
		Benzene	0.47	0.79
TK-265	Tank 265	VOC	21.43	22.48
		Benzene	0.75	0.79
TK-304	Tank 304	VOC	13.44	22.48
		Benzene	0.47	0.79
TK-392	Tank 392	VOC	15.91	22.48
		Benzene	0.56	0.79
TK-395	Tank 395	VOC	28.85	22.48
		Benzene	1.01	0.79
TK-396	Tank 396	VOC	21.43	22.48
		Benzene	0.75	0.79
TK-418	Tank 418	VOC	18.78	22.48
		Benzene	0.66	0.79
TK-428	Tank 428	VOC	18.78	22.48
		Benzene	0.66	0.79
TANKCAP	TANK CAP (6)	VOC	-	22.48
		Benzene	-	0.79
EX-TNKS	Tank Transfer Subcap (9)	VOC	-	1.00
		Benzene	-	0.04
TKATM	Tank Roof Landing and Venting post Degas (uncontrolled) (8)	VOC	158.00	5.01
		Benzene	5.53	0.09
FUG	Process Fugitive Components	VOC	1.20	5.26
		Benzene	0.04	0.18

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TKVCU	Tank Roof Landing VCU (controlled) (8)	VOC	63.19	6.83
		Benzene	2.21	0.24
		NO _x	22.59	4.32
		CO	41.49	7.94
		PM	1.31	0.33
		PM ₁₀	1.31	0.33
		PM _{2.5}	1.31	0.33
SD1	Ship Dock 1 (Uncollected Marine Loading)	VOC	261.24	-
		Benzene	9.14	-
SD2	Ship Dock 2 (Uncollected Marine Loading)	VOC	261.24	=
		Benzene	9.14	=
BD2	Barge Dock 2 (Uncollected Marine Loading)	VOC	61.23	=
		Benzene	2.15	=
BD3	Barge Dock 3 (Uncollected Marine Loading)	VOC	30.62	-
		Benzene	1.08	-
MARINECAP	Total Uncollected Marine Loading from EPNs SD1, SD2, BD2, and BD3 (7)(8)	VOC	290.42	20.69
		Benzene	9.15	0.60
TC & RAILDIST	Uncollected Railcar loading (8)	VOC	9.34	1.28
VRUEAST	Marine VRU	VOC	65.20	-
		Benzene	2.28	-
VRUWEST	Marine VRU	VOC	65.20	-
		Benzene	2.28	-
VRUEAST & VRUWEST	Marine VRU	VOC	130.39	9.05
		Benzene	4.56	0.32

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VCU	Rail VCU (8)	VOC	23.55	3.52
		Benzene	0.83	0.13
		NO _x	7.98	2.57
		CO	14.65	4.72
		PM	0.45	0.21
		PM ₁₀	0.45	0.21
		PM _{2.5}	0.45	0.21

- (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
 CO - carbon monoxide
 PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- (6) Annual cap includes combined working and breathing losses for all tanks authorized by this permit.
- (7) Cap covers marine loading emissions of ships and barges from marine loading terminal (EPNs: SD1, SD2, BD2, and BD3).
- (8) Annual limits are in addition to those limits authorized in NSR Permits 4850 and 56469.
- (9) Annual Limits authorize transfer of liquids from tanks authorized in NSR Permits 4850 and 56469 to tanks authorized by this permit per Special Condition No. 9 and are a subcap of EPN TANKCAP.

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Dated September 12, 2014