

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 135622 and PSDTX1023M3

This table lists the maximum allowable emission rates (MAERT) 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)
REFFUG	Refinery Fugitives Subcap (5)	VOC	18.53	81.20
		NH ₃	< 0.01	< 0.01
		H ₂ S	0.07	0.28
See Attachment 1	Tanks Subcap	VOC	193.88	221.25
		H ₂ S	0.49	1.76
TK-85, TK-91, TK-93, TK-96	certain Crude/Condensate Tanks Subcap	VOC	25.27	24.57
		H ₂ S	0.32	1.14
MSS	MSS Cap	NO _x	17.43	0.07
		CO	34.79	0.14
		VOC	859.92	9.93
H-TK-54	Heater - Tank TK-54 Heater 3.46 MMBtu/hr	NO _x	0.35	1.52
		CO	0.25	0.55
		VOC	0.02	0.08
		SO ₂	0.01	< 0.01
		PM	0.03	0.11
		PM ₁₀	0.03	0.11
		PM _{2.5}	0.03	0.11
		NH ₃	< 0.01	< 0.01
H-TK-55	Heater - Tank TK-55 Heater 3.9 MMBtu/hr	NO _x	0.39	1.71
		CO	0.28	0.62
		VOC	0.02	0.09
		SO ₂	0.01	< 0.01
		PM	0.03	0.13
		PM ₁₀	0.03	0.13
		PM _{2.5}	0.03	0.13
		NH ₃	< 0.01	0.01

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H-TK-70	Heater - Tank TK-70 Heater 3.46 MMBtu/hr	NO _x	0.35	1.52
		CO	0.25	0.55
		VOC	0.02	0.08
		SO ₂	0.01	< 0.01
		PM	0.03	0.11
		PM ₁₀	0.03	0.11
		PM _{2.5}	0.03	0.11
		NH ₃	< 0.01	< 0.01
H-TK-71	Heater - Tank TK-71 Heater 4 MMBtu/hr	NO _x	0.40	1.75
		CO	0.29	0.64
		VOC	0.02	0.09
		SO ₂	0.01	< 0.01
		PM	0.03	0.13
		PM ₁₀	0.03	0.13
		PM _{2.5}	0.03	0.13
		NH ₃	< 0.01	0.01
H-TK-83	Heater - Tank TK-83 Heater 1.99 MMBtu/hr	NO _x	0.20	0.87
		CO	0.14	0.32
		VOC	0.01	0.05
		SO ₂	0.01	< 0.01
		PM	0.01	0.06
		PM ₁₀	0.01	0.06
		PM _{2.5}	0.01	0.06
		NH ₃	< 0.01	0.01
TK-61	Tank 61	VOC	4.36	2.00
TK-62	Tank 62	VOC	4.36	2.00

- (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
- NO_x
 - total oxides of nitrogen
- SO₂
 - sulfur dioxide
- PM
 - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀
 - 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
- H₂S
 - hydrogen sulfide
- NH₃
 - ammonia

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- (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: xxxxxx

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MAERT Attachment 1

Permit Numbers 135622 and PSDTX1023M3

Tanks Subcap Facility Identification Numbers, Emission Point Numbers,
And Source Names

This table lists the facility identification numbers, emission point numbers, and source names emitted for emission points included within the Tanks Subcap identified in the MAERT.

Facility Identification Number	Emission Point Number (1)	Source Name (2)
T-100	TK*100	Tank 100
T-102	TK*102	Tank 102
T-108	TO-2 (3)	Tank 108
T-110	TK*110	Tank 110
T-111	TK*111	Tank 111
T-112	TK*112	Tank 112
T-14	TK*14	Tank 14
T-142	TK*142	Tank 142
T-146	TK*146	Tank 146
T-147	TK*147	Tank 147
T-15	TK*15	Tank 15
T-152	TK*152	Tank 152
T-153	TK*153	Tank 153
T-17	TK*17	Tank 17
T-20	TK*20	Tank 20
T-201	TO-2 (3)	Tank 201
T-203	TK*203	Tank 203
T-204	TK*204	Tank 204
T-205	TK*205	Tank 205
T-206	TK*206	Tank 206
T-207	TK*207	Tank 207
T-208	TK*208	Tank 208
T-21	TK*21	Tank 21
T-320	TK*320	Tank 320
T-321	TK*321	Tank 321
T-322	TK*322	Tank 322
T-323	TK*323	Tank 323
T-324	TK*324	Tank 324
T-326	TK*326	Tank 326
T-329	TK*329	Tank 329
T-330	TK*330	Tank 330
T-331	177-01	Tank 331
T-333N	TK-333N	Tank 333
T-334	TK*334	Tank 334
T-335	TK*335	Tank 335
T-336	TK*336	Tank 336

T-350	TK*350	Tank 350
T-351	TK*351	Tank 351
T-352	TK*352	Tank 352
T-353	TK*353	Tank 353
T-355	TK*355	Tank 355
T-356	TK*356	Tank 356
T-357	TK*357	Tank 357
T-358	TK*358	Tank 358
T-359	TK*359	Tank 359
T-360	TK*360	Tank 360
T-370	TK*370	Tank 370
T-371	TK*371	Tank 371
T-50	TK*50	Tank 50
T-51	TK*51	Tank 51
T-52	TK*52	Tank 52
T-53	TK*53	Tank 53
T-54	TK*54	Tank 54
T-55N	TK-55N	Tank 55
T-70	TK*70	Tank 70
T-71	TK*71	Tank 71
T-72	TK*72	Tank 72
T-73	TK*73	Tank 73
T-74	TK*74	Tank 74
T-77	TK*77	Tank 77
T-79	TK*79	Tank 79
T-80	TK*80	Tank 80
T-81	TK*81	Tank 81
T-82	TK*82	Tank 82
T-83	TK*83	Tank 83
T-84	TK*84	Tank 84
T-88	TK*88	Tank 88
T-89	TK*89	Tank 89
T-90	TK*90	Tank 90
T-92	TK*92	Tank 92
T-94	TK*94	Tank 94
T-95	TK*95	Tank 95
T-97	TK*97	Tank 97
T-98	TK*98	Tank 98
T-99	TK*99	Tank 99

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan. Except where indicated, EPNs shown in this attachment are included within the Tanks Subcap shown on the MAERT.
- (2) Specific point source name. For fugitive sources, use area name or fugitive source name.
- (3) EPN TO-2 is authorized under NSR Permit No. 2937.

Date: xxxxxx

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