EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 4850

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)
TK401	Tank 401	VOC	4.69	1.50
TK402	Tank 402	VOC	4.69	1.50
TK403	Tank 403	VOC	4.69	1.50
TK404	Tank 404	VOC	4.69	1.50
TK405	Tank 405	VOC	4.69	1.50
TK406	Tank 406	VOC	4.69	1.50
TK417	Tank 417	VOC	4.69	1.50
TK501	Tank 501	VOC	4.69	1.50
TK502	Tank 502	VOC	4.69	1.50
TK503	Tank 503	VOC	4.69	1.50
TK504	Tank 504	VOC	4.69	1.50
TK505	Tank 505	VOC	4.69	1.50
TK506	Tank 506	VOC	4.69	1.50
TK507	Tank 507	VOC	4.69	1.50
TK508	Tank 508	VOC	4.69	1.50
TK509	Tank 509	VOC	4.69	1.50
TK510	Tank 510	VOC	4.69	1.50
TK511	Tank 511	VOC	4.69	1.50
TK512	Tank 512	VOC	4.69	1.50
TK513	Tank 513	VOC	4.69	1.50

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

TK514	Tank 514	VOC	4.69	1.50
TK515	Tank 515	VOC	4.69	1.50
TK516	Tank 516	VOC	4.69	1.50
TK517	Tank 517	VOC	4.69	1.50
TK518	Tank 518	VOC	4.69	1.50
TK519	Tank 519	VOC	4.69	1.50
TANKCAP	Storage Tank Emissions Cap (Tanks category sources)	VOC	122.07	18.19
TK-217	Tank 217	VOC	1.06	1.74
TK-218	Tank 218	VOC	1.06	1.74
TK-219	Tank 219	VOC	1.06	1.74
TK-221	Tank 221	VOC	1.06	1.69
TK-222	Tank 222	VOC	1.06	1.74
TK-223	Tank 223	VOC	1.06	1.74
TK-250	Tank 250	VOC	1.37	2.01
TK-251	Tank 251	VOC	1.42	2.21
TK-252	Tank 252	VOC	1.42	2.21
TK-253	Tank 253	VOC	1.21	1.31
TK-254	Tank 254	VOC	1.22	1.35
TK-255	Tank 255	VOC	1.41	2.25
TK-256	Tank 256	VOC	2.13	0.46
TK-257	Tank 257	VOC	11.44	0.47
TK-258	Tank 258	VOC	1.36	1.95

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

TK-259	Tank 259	VOC	1.41	2.25
TK-296	Tank 296	VOC	6.68	0.09
TK-308	Tank 308	VOC (7)	3.98	6.56
TK-311	Tank 311	VOC	40.3	5.71
TK-312	Tank 312	VOC	50.38	5.71
TK-316	Tank 316	VOC	0.96	1.87
TK-324	Tank 324	VOC (7)	3.98	11.58
TK-330	Tank 330	VOC	5.61	6.54
TK-341	Tank 341	VOC	12.22	0.49
TK-342	Tank 342	VOC	1.12	1.35
TK-343	Tank 343	VOC	1.12	1.35
TK-344	Tank 344	VOC	1.31	1.31
TK-345	Tank 345	VOC (7)	1.8	2.7
TK-362	Tank 362	VOC (7)	3.03	8.08
TK-363	Tank 363	VOC	27.3	0.79
TK-367	Tank 367	VOC	5.03	9.59
TK-368	Tank 368	VOC	5.03	9.59
TK-369	Tank 369	VOC	5.03	9.59
TK-370	Tank 370	VOC	1.58	2.9
TK-371	Tank 371	VOC (7)	5.08	12.2
TK-372	Tank 372	VOC	2.6	9.65
TK-373	Tank373	VOC	2.62	9.43
TK-374	Tank 374	VOC	2.66	9.31

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

TK-375	Tank 375	VOC (7)	5.08	12.19
TK-382	Tank 382	VOC	1.17	3.87
TK-384	Tank 384	VOC	1.17	5.11
TK-386	Tank 386	VOC	1.93	4.43
TK-387	Tank 387	VOC (7)	5.22	8.19
TK-388	Tank 388	VOC	1.86	4.1
TK-389	Tank 389	VOC (7)	5.21	8.18
TK-390	Tank 390	VOC	1.18	3.94
TK-391	Tank 391	VOC	1.52	3.49
TK-393	Tank 393	VOC	2.76	8.95
TK-407	Tank 407	VOC	4.05	3.26
TK-408	Tank 408	VOC	4.05	3.26
TK-409	Tank 409	VOC	4.05	3.26
TK-410	Tank 410	VOC	4.05	3.26
TK-411	Tank 411	VOC	4.05	3.26
TK-412	Tank 412	VOC	4.05	3.26
TK-413	Tank 413	VOC	4.05	3.26
TK-414	Tank 414	VOC	4.05	3.26
TK-415	Tank 415	VOC	4.05	3.26
TK-416	Tank 416	VOC	4.05	3.26
TKLAND	Tank Roof Landings (includes tanks listed in Special Condition No. 10B)	VOC	2564.42	261.42
		Benzene	--	9.07
		VOC (8)	2564.42	235.52
		Benzene (8)	--	8.22

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

WESTMVCS	West Marine Vapor Control System (Loading Vapor Combustor)	VOC	33.92	79.64
		NO_x	9.67	22.7
		CO	12.89	30.26
		PM_{10}	0.82	7.18
		SO2	0.07	0.56
EASTMVCS	East Marine Vapor Control System (Loading Vapor Combustor)	VOC	33.92	79.64
		NO_x	9.67	22.7
		CO	12.89	30.26
		PM_{10}	0.82	7.18
		SO_2	0.07	0.56
Total - Both Marine Vapor Control Systems		VOC	—	79.64
		NO_X	—	22.7
		CO	—	30.26
		PM_{10}	—	7.18
		SO_2	—	0.56
SD1	Ship Dock No.1	VOC	25.98	21.18
SD2	Ship Dock No. 2	VOC	14.29	21.18
BD2	Barge Dock 2	VOC	10.39	21.18
BD3	Barge Dock 3	VOC	3.25	21.18
	Total - Ship Docks 1 and 2 and Barge Docks 2 and 3	VOC	—	21.18
TKVCU	Tank Roof Landing VCU (Tanks category sources roof landings)	VOC	126.10	7.43
		NO_x	17.47	1.32
		CO	34.88	2.64

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

TK-DEGAS	Tank De-gassing	VOC	(6)	(6)
		NO_x	2.23	1.22
		CO	4.44	2.44
FUG-1	Dock Fugitives (5)	VOC	4.48	19.63
F-4850	Process Fugitives (5)	VOC	5.66	24.65

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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
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_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
CO - carbon monoxide
(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.
(6) Tank degassing VOC emissions are authorized under the emission cap (EPN TKLAND) for all tanks.
(7) Vessels currently authorized by permit by rule; incorporated by reference.
(8) Emissions become effective March 1, 2014 and replace all other emission rates for this EPN.

Date: _____

EMISSION POINT CATEGORIES

Permit Number 4850

Tanks Category	EPN	Description
	TK401	Tank 401
	TK402	Tank 402
	TK403	Tank 403
	TK404	Tank 404
	TK405	Tank 405
	TK406	Tank 406
	TK417	Tank 417
	TK501	Tank 501
	TK502	Tank 502
	TK503	Tank 503
	TK504	Tank 504
	TK505	Tank 505
	TK506	Tank 506
	TK507	Tank 507
	TK508	Tank 508
	TK509	Tank 509
	TK510	Tank 510
	TK 511	Tank 511
	TK512	Tank 512
	TK513	Tank 513
	TK514	Tank 514
	TK515	Tank 515
	TK516	Tank 516
	TK517	Tank 517
	TK518	Tank 518
	TK519	Tank 519

Date September 22, 2011