Permit Number 93546

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.	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
(1)			lbs/hour	TPY (4)
T-69	TK-069 (6)	voc	0.73	1.88
		Benzene	0.01	0.02
T-76	TK-076 (6)	VOC	0.81	1.98
		Benzene	0.02	0.03
T-90	TK-090 (6)	VOC	0.76	1.50
		Benzene	0.01	0.02
T-95	TK-095 (6)	VOC	1.55	2.43
		Benzene	0.05	0.04
T-96	TK-096 (6)	VOC	1.50	2.75
		Benzene	0.04	0.04
T-97	TK-097 (6)	VOC	1.99	2.70
		Benzene	0.01	0.02
T-98	TK-098 (6)	VOC	0.82	0.08
T-99	TK-099 (6)	VOC	0.82	0.08
T-100	TK-100 (6)	VOC	2.13	0.92
T-101	TK-101 (6)	VOC	0.05	0.05
T-106	TK-106 (6)	VOC	1.74	1.48
T-107	TK-107 (6)	VOC	5.99	8.42
		Benzene	0.02	0.04
T-113	TK-113 (6)	VOC	0.15	0.06
		Benzene	<0.01	<0.01

T-114	TK-114 (6)	VOC	0.98	2.36
		Benzene	0.02	0.03
T-115	TK-115 (6)	VOC	1.54	2.21
		Benzene	0.01	0.01
T-116	TK-116 (6)	VOC	2.16	3.02
		Benzene	0.01	0.02
T-117	TK-117 (6)	VOC	1.98	2.46
		Benzene	0.01	0.01
		Toluene	0.30	0.15
		Xylene	0.28	0.07
T-118	TK-118 (6)	VOC	2.50	3.63
		Benzene	0.01	0.02
T-119	TK-119 (6)	VOC	1.00	2.72
T-123	TK-123 (6)	VOC	0.98	2.90
		Benzene	0.02	0.04
T-124	TK-124 (6)	VOC	0.95	2.81
		Benzene	0.02	0.04
T-125	TK-125 (6)	VOC	1.82	2.65
		Benzene	0.03	0.04
T-126	TK-126 (6)	VOC	0.94	2.99
		Benzene	0.01	0.02
T-127	TK-127 (6)	VOC	2.32	3.19
		Benzene	0.04	0.05
T-129	TK-129 (6)	VOC	2.12	7.08
		Benzene	0.03	0.09
T-130	TK-130 (6)	VOC	2.19	2.99
		Benzene	0.04	0.05
T-131	TK-131 (6)	VOC	2.53	6.31
		Benzene	0.01	0.03

T-132	TK-132 (6)	VOC	2.97	3.92
T-133	TK-133 (6)	VOC	9.18	13.43
		Benzene	0.03	0.05
T-137	TK-137 (6)	VOC	1.72	6.53
		Benzene	0.09	0.33
T-139	TK-139 (6)	VOC	0.56	0.28
T-140	TK-140 (6)	VOC	6.91	8.95
		Benzene	0.02	0.04
T-141	TK-141 (6)	VOC	3.68	4.93
		Benzene	0.01	0.03
T-142	TK-142 (6)	VOC	2.36	3.46
		Benzene	0.04	0.05
T-143	TK-143 (6)	VOC	2.79	3.99
		Benzene	0.01	0.02
T-144	TK-144 (6)	VOC	2.73	3.63
		Benzene	0.01	0.02
T-145	TK-145 (6)	VOC	2.95	3.96
		Benzene	0.01	0.02
T-146	TK-146 (6)	VOC	3.25	4.34
		Benzene	0.01	0.02
T-164	TK-164 (6)	VOC	2.20	2.67
		Benzene	0.01	0.02
T-165	TK-165 (6)	VOC	3.10	3.97
		Benzene	0.01	0.02
T-166	TK-166 (6)	VOC	2.51	2.78
		Benzene	0.01	0.02

T-167	TK-167 (6)	voc	3.04	3.91
		Benzene	0.01	0.02
T-181	TK-181 (6)	voc	3.87	5.50
		Benzene	0.01	0.02
T-182	TK-182 (6)	voc	10.50	14.78
		Benzene	0.03	0.06
T-183	TK-183 (6)	voc	20.69	27.98
		Benzene	0.05	0.11
T-190	TK-190 (6)	voc	8.83	29.66
		Benzene	0.12	0.37
T-191	TK-191 (6)	voc	2.49	7.77
		Benzene	0.04	0.10
T-192	TK-192 (6)	voc	21.26	29.30
		Benzene	0.05	0.11
T-202	TK-202 (6)	voc	2.15	2.36
		Benzene	0.01	0.01
T-210	TK-210 (6)	voc	1.80	6.82
		Benzene	0.01	0.02
T-211	TK-211 (6)	voc	2.09	6.89
		Benzene	0.03	0.09
70	TK-4007 (6)	voc	1.99	0.44
71	TK-4008 (6)	voc	0.38	0.26
66	TK-4012 (6)	voc	0.76	0.26
52	TK-4013 (6)	voc	1.36	0.35
79	TK-4035 (6)	voc	0.58	1.16
		Benzene	0.01	0.01
54	TK-4041 (6)	voc	0.85	0.06
53	TK-4046 (6)	voc	1.70	0.44

28	TK-4050 (6)	VOC	29.24	39.37
		Benzene	0.07	0.18
67	TK-4051 (6)	voc	1.83	0.41
29	TK-4057 (6)	voc	0.50	0.12
T4064	TK-4064 (6)	voc	0.81	0.04
14004	1 K-4004 (0)	Benzene	0.01	0.01
45	TK-4065 (6)	voc	0.76	1.35
45	1 K-4005 (0)	Benzene	0.01	0.01
46	TK-4113 (6)	voc	1.83	0.44
48	TK-4115 (6)	voc	1.71	0.76
49	TK-4116 (6)	voc	1.71	0.87
38	TK-4118 (6)	voc	2.86	3.84
		Benzene	0.01	0.02
39	TK-4119 (6)	VOC	2.62	3.67
		Benzene	0.05	0.05
40	TK-4120 (6)	voc	2.67	3.80
		Benzene	0.05	0.06
42	TK-4121 (6)	voc	0.91	1.83
		Benzene	0.01	0.01
43	TK-4122 (6)	voc	0.89	1.81
		Benzene	0.01	0.01
47	TK-4123 (6)	voc	0.82	0.88
		Benzene	0.01	0.01
44	TK-4124 (6)	VOC	1.56	4.45
		Benzene	0.03	0.06
116	TK-4285 (6)	VOC	4.64	6.76
		Benzene	0.02	0.03
118	TK-4601 (6)	VOC	0.75	1.35
		Benzene	0.01	0.01

119	TK-4602 (6)	voc	3.01	1.40
120	TK-4603 (6)	VOC	3.01	1.41
124	TK-4605 (6)	VOC	4.28	13.91
		Benzene	0.06	0.18
TANK504	TK-504 (6)	VOC	2.54	0.04
		Benzene	0.03	0.01
TANK506	TK-506 (6)	VOC	0.33	0.01
VENT507	TK-507 (6)	VOC	0.33	0.01
TANK508	TK-508 (6)	VOC	0.83	1.35
		Benzene	0.01	0.01
TANK509	TK-509 (6)	VOC	12.18	6.68
PRV512	TK-512 (6)	VOC	0.13	0.01
		Benzene	0.01	0.01
TANK513	TK-513 (6)	voc	0.89	1.44
		Benzene	0.01	0.01
		Toluene	1.28	0.12
		Xylene	1.26	0.08
TANK514	TK-514 (6)	voc	0.72	1.16
		Benzene	0.01	0.01
		Toluene	0.79	0.13
		Xylene	0.78	0.09
TANK515	TK-515 (6)	voc	0.70	1.08
		Benzene	0.01	0.01
TANK516	TK-516 (6)	voc	0.70	1.11
		Benzene	0.01	0.01
TK-517	TK-517 (6)	voc	1.85	0.15
VENT518	TK-518 (6)	voc	1.85	0.11
VENT519	TK-519 (6)	VOC	1.85	0.07

TANK520	TK-520 (6)	voc	0.59	1.14
		Benzene	0.01	0.01
TANK521	TK-521 (6)	voc	1.06	1.62
		Benzene	0.01	0.01
TANK522	TK-522 (6)	voc	1.13	1.79
		Benzene	0.01	0.01
T-524	TK-524 (6)	voc	0.09	0.05
F-10N-T	North Plant Utilities	VOC	0.28	1.23
	Fugitives (5) (6)	H ₂ S	<0.01	<0.01
WWCTS-T	North API Separator	voc	<0.01	<0.01
	Fugitives (5) (6)	Benzene	<0.01	<0.01
		H ₂ S	<0.01	<0.01
		NH ₃	<0.01	<0.01
TNK-FUG-T	JG-T Tank Field Piping Fugitives (5) (6)	VOC	16.75	73.35
		Benzene	0.20	0.86
		H ₂ S	<0.01	<0.01
F-16S-T	Receiving,	VOC	11.05	48.41
	Pumping, and Shipping	Benzene	0.10	0.44
	Fugitives (5) (6)	H ₂ S	<0.01	<0.01
FUG-T	Terminal Fugitives	voc	4.72	20.65
	(5) (6)	Benzene	0.05	0.18
		H ₂ S	<0.01	<0.01
SLR1	South Railcar	VOC	3.89	0.31
	Loading Rack (6)	H ₂ S	<0.01	<0.01
SLR2	South LPG Tanktruck Loading Rack (6)	VOC	0.10	0.01
SLR4	South Acid/Caustic	VOC	10.53	1.05
	Tanktruck Loading Rack (6)	H ₂ S	<0.01	<0.01
NLR2-5	North Railcar and	voc	2.16	4.76

	Tanktruck Loading Rack (6)			
NLR 2-5	North Loading Rack	voc	8.27	0.81
	NLR3 (6)	Toluene	1.18	0.11
		Xylene	0.61	0.06
NLR2-5	North Caustic Loading Rack (6)	VOC	5.28	0.09
	Loading Rack (6)	H ₂ S	<0.01	<0.01
NLR-6	Solid Waste	РМ	3.24	0.19
	Gondola Loading Rack (6)	PM ₁₀	1.62	0.10
		PM _{2.5}	1.62	0.10
NLR-7	North Asphalt Feed Loading Rack (6)	voc	0.04	<0.01
LLPG-TC	North LPG Railcar and Tanktruck Loading Rack (6)	voc	0.40	0.09
CA-SK	Terminal Tank Truck Loading Rack VRU (6)	voc	0.79	1.52
LRACK-FUG	Terminal Loading Rack Hose Fugitives (6)	voc	0.16	0.20
VACLR	Vacuum Residue Loading (6)	voc	0.01	0.01
CA-SK	Marketing Terminal Sump-1 (6)	voc	0.14	0.60
CA-SK	Marketing Terminal Sump-2 (6)	VOC	0.14	0.60

Compliance Caps - Final (5)(6)		PM	3.24	0.19
		PM ₁₀	1.62	0.10
		PM _{2.5}	1.62	0.10
		VOC	243.00	282.00
		Benzene	0.55	1.20
MSS CAP	Sitewide MSS	VOC	348.76	66.92
	Sources Excluding Flares	NO _x	1.49	9.94
		СО	0.44	2.19
		SO ₂	0.19	0.75
		PM	8.86	1.72
		PM ₁₀	8.86	1.72
		PM _{2.5}	8.86	1.72
		H ₂ S	0.01	0.01
TK-4042	TK-4042	VOC	3.54	1.23
T-812	TK-812	VOC	0.99	1.41
		Benzene	0.01	0.01
TK-4610	TK-4610	VOC	0.78	1.33
		Benzene	0.01	0.01
TK-4611	TK-4611	VOC	2.52	4.20
		Benzene	0.01	0.02
TK-4042 MSS	TK-4042 MSS	VOC	23.48	0.28
TK-812 MSS	TK-812 MSS	VOC	90.30	0.42
		Benzene	0.91	<0.01
TK-4610 MSS	TK-4610 MSS	VOC	115.23	0.52
		Benzene	1.47	0.01
TK-4611 MSS	TK-4611 MSS	VOC	96.74	0.38
		H ₂ S	0.46	<0.01
XF 3601	Asphalt Plant – Furnace F-3601	VOC	0.72	3.15
		NO _x	1.99	8.72

	62.01		CO	14.16
	62.01		SO ₂	1.98
	2.76		PM	0.63
	2.76		PM ₁₀	0.63
	276		PM _{2.5}	0.63
	7 /6	H ₂ S	0.06	0.26
	Asphalt Plant –	VOC	0.12	0.11
<i>_</i>		H ₂ S	<0.01	<0.01
	Asphalt Tank D-3601	VOC	0.29	0.81
	.,	H ₂ S	<0.01	<0.01
	Asphalt Tank D-3602	VOC	0.29	0.81
	·	H ₂ S	<0.01	<0.01
D-3605	Asphalt Tank D-3605	VOC	0.74	0.63
		H ₂ S	<0.01	<0.01
D-3606	Asphalt Tank D-3606	VOC	0.26	0.63
		H ₂ S	<0.01	<0.01
D-3607	Asphalt Tank D-3607	VOC	0.15	0.04
		H ₂ S	<0.01	<0.01
D-3608	Asphalt Tank D-3608	VOC	0.15	0.04
		H ₂ S	<0.01	<0.01
D-3609	Asphalt Tank D-3609	VOC	0.15	0.04
		H₂S	<0.01	<0.01
D-3610	Asphalt Tank D-3610	VOC	0.15	0.04
		H ₂ S	<0.01	<0.01
D-3611	Asphalt Tank D-3611	VOC	0.15	0.04
		H ₂ S	<0.01	<0.01
D-3612	Asphalt Tank D-3612	VOC	0.15	0.04
		H ₂ S	<0.01	<0.01
D-3623	Asphalt Tank D-3623	VOC	0.15	0.04

				<u> </u>	
		-0.01		H ₂ S	<0.01
	piani	0 0 1	ific equipment designation or e Asphalt Tank D-3624		r from plot 0.15
(2)	Specific point so	urce name. For fugitive s	ources, use area name or fugi	tiye source name.	<0.01
(3)	VOC -	🗥 🗠 🗠 A control organic compo	punds as defined in Title 30 Te	xas Administrative C	ode § 101.1
	NO _x	-3625al oxides of nitroge ^-^\$ulfur dioxide	n Asphalt Tank D-3625	VOC	0.15
	PM		r, suspended in the atmospher	eḤȧ̀Acluding PM₁₀ and	HPM _{2.5} , Q₀9 1
	PM ₁₀ D-3627		r 🕰 🖟 al to or less than 10 micro	ns in diæn le ter, inclu	ding P M 2.5, as
	PM _{2.5}	represented - particulate matter equ	H ₂ S al to or less than 2.5 microns i	n diameter	<0.01
	CO H ₂ S	- carbon monoxide - Asphalt Tank D-3628 - hydrogen Sulfide	VOC	0.14	0.02
	Compliance with	annual emission limits (ծիչ \$per year) is based on a 12		
, ,	and permit applic	cation-remare realization reco	ceable through compliance wit VOC	0.14	0.02 ` ´
(6)	Total emission ra MAERT.	tes from these emission	points shall comply with comp	liance caps contained	d in this <0.01
	D-3630	Asphalt Tank D-3630	VOC	0.15	0.04
			H ₂ S	Date<0.01 May	24, 2010801
	D-3670	Asphalt Tank D-3670	VOC	0.14	0.01
			H₂S	<0.01	<0.01
	D-3671	Asphalt Tank D-3671	VOC	0.14	0.01
			H₂S	<0.01	<0.01
	D-3672	Asphalt Tank D-3672	VOC	0.14	0.01
			H₂S	<0.01	<0.01
	FUELFUG	Asphalt Plant	VOC	1.73	7.60
			H ₂ S	0.01	0.03
	T-136	TK-136	VOC	2.45	0.45