Permit Number 94384

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)		Air Contaminant Name (3)	Emission	Rates
			lbs/hour	TPY (4)
SB-8501	Steam Boiler 8501	NOx	0.28	1.23
		СО	0.97	4.23
		SO ₂	0.01	0.03
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
		VOC	0.06	0.28
SB-8502	Steam Boiler 8502	NOx	0.28	1.23
		СО	0.97	4.23
		SO ₂	0.01	0.03
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
		VOC	0.06	0.28
SB-8503	Steam Boiler 8503	NOx	0.28	1.23
		СО	0.97	4.23
		SO ₂	0.01	0.03
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
		VOC	0.06	0.28
SB-8504	Steam Boiler 8504	NOx	0.28	1.23
		СО	0.97	4.23
		SO ₂	0.01	0.03
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
		VOC	0.06	0.28

SB-8505	Steam Boiler 8505	NOx	0.28	1.23
		СО	0.97	4.23
		SO ₂	0.01	0.03
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
		VOC	0.06	0.28
SB-8506	Steam Boiler 8506	NOx	0.28	1.23
		СО	0.97	4.23
		SO ₂	0.01	0.03
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
		VOC	0.06	0.28
SB-8507	Steam Boiler 8507	NOx	0.28	1.23
		СО	0.97	4.23
		SO ₂	0.01	0.03
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
		VOC	0.06	0.28
SB-8508	Steam Boiler 8508	NOx	0.28	1.23
		СО	0.97	4.23
		SO ₂	0.01	0.03
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
		VOC	0.06	0.28
SB-8509	Steam Boiler 8509	NOx	0.28	1.23
		СО	0.97	4.23
		SO ₂	0.01	0.03
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38

		VOC	0.06	0.28
SB-8510	Steam Boiler 8510	NOx	0.28	1.23
		СО	0.97	4.23
		SO ₂	0.01	0.03
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
		VOC	0.06	0.28
SB-8511	Steam Boiler 8511	NOx	0.28	1.23
		СО	0.97	4.23
		SO ₂	0.01	0.03
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
		VOC	0.06	0.28
SB-8512	Steam Boiler 8512	NOx	0.28	1.23
		СО	0.97	4.23
		SO ₂	0.01	0.03
		PM ₁₀	0.09	0.38
		PM _{2.5}	0.09	0.38
		VOC	0.06	0.28
SB-8501 through SB-	Steam Boilers	NOx		7.80
8512	8501through 8512 Combined Annual Cap	СО		26.76
	(6)	SO ₂		0.19
		PM ₁₀		2.42
		PM _{2.5}		2.42
		VOC		1.75
FWP1	Firewater Pump Engine	NOx	3.45	0.09
	1	СО	3.51	0.09
		SO ₂	1.08	0.03
		PM	0.17	<0.01

		PM ₁₀	0.17	<0.01
		PM _{2.5}	0.17	<0.01
		VOC	1.30	0.03
FWP2	Firewater Pump Engine	NOx	3.45	0.09
	2	СО	3.51	0.09
		SO ₂	1.08	0.03
		PM	0.17	<0.01
		PM ₁₀	0.17	<0.01
		PM _{2.5}	0.17	<0.01
		VOC	1.30	0.03
FWP3	Firewater Pump Engine	NOx	3.45	0.09
	3	СО	3.51	0.09
		SO ₂	1.08	0.03
		PM	0.17	<0.01
		PM ₁₀	0.17	<0.01
		PM _{2.5}	0.17	<0.01
		VOC	1.30	0.03
FWP4	Firewater Pump Engine	NOx	3.45	0.09
	4	СО	3.51	0.09
		SO ₂	1.08	0.03
		РМ	0.17	<0.01
		PM ₁₀	0.17	<0.01
		PM _{2.5}	0.17	<0.01
		VOC	1.30	0.03
GENEENG1	Emergency Generator	NO _x	28.22	0.73
	Engine	СО	14.75	0.38
		SO ₂	1.08	0.03
		PM	0.89	0.02
		PM ₁₀	0.89	0.02

		PM _{2.5}	0.89	0.02
		VOC	18.77	0.49
T30-1	IFR Tank T30-1	VOC	4.72	1.31
		H ₂ S	<0.01	<0.01
T30-2	IFR Tank T30-2	VOC	4.72	1.31
		H ₂ S	<0.01	<0.01
T50-1	IFR Tank T50-1	VOC	4.03	1.59
		H ₂ S	<0.01	<0.01
T50-2	IFR Tank T50-2	VOC	10.59	1.59
		H ₂ S	<0.01	<0.01
T50-3	IFR Tank T50-3	VOC	10.59	1.59
		H ₂ S	<0.01	<0.01
T50-4	IFR Tank T50-4	VOC	10.59	1.59
		H ₂ S	<0.01	<0.01
T50-5	IFR Tank 150-5	VOC	10.59	1.59
		H ₂ S	<0.01	<0.01
T50-6	IFR Tank T50-6	VOC	10.59	1.59
		H ₂ S	<0.01	<0.01
T50-7	IFR Tank T50-7	VOC	10.59	1.59
		H ₂ S	<0.01	<0.01
T50-8	IFR Tank 150-8	VOC	10.59	1.59
		H ₂ S	<0.01	<0.01
T50-9	IFR Tank T50-9	VOC	10.59	1.59
		H ₂ S	<0.01	<0.01
T50-10	IFR Tank T50-10	VOC	10.59	1.59
		H ₂ S	<0.01	<0.01
T100-1	IFR Tank T100-1	VOC	8.95	2.04
		H ₂ S	<0.01	<0.01
T100-2	IFR Tank T100-2	VOC	8.95	2.04

		H ₂ S	<0.01	<0.01
T100-3	IFR Tank T100-3	VOC	8.95	2.04
		H ₂ S	0.00	0.00
T100-4	IFR Tank T100-4	VOC	8.95	2.04
		H ₂ S	<0.01	<0.01
T100-5	IFR Tank T100-5	VOC	8.95	2.04
	H ₂ S	<0.01	<0.01	
T100-6	IFR Tank T100-6	VOC	8.95	2.04
		H ₂ S	<0.01	<0.01
T100-10	IFR Tank T100-10	VOC	8.95	2.04
		H ₂ S	<0.01	<0.01
T100-11	IFR Tank T100-11	VOC	8.95	2.04
		H ₂ S	<0.01	<0.01
T150-1	IFR Tank T150-1	VOC	7.80	3.44
		H ₂ S	<0.01	0.01
T150-2	IFR Tank T150-2	VOC	7.80	3.44
		H ₂ S	<0.01	0.01
T150-3	IFR Tank T150-3	VOC	7.80	3.44
		H ₂ S	<0.01	0.01
T150-4	IFR Tank T150-4	VOC	7.80	3.44
		H ₂ S	<0.01	0.01
T150-5	IFR Tank T150-5	VOC	7.80	3.44
		H ₂ S	<0.01	0.01
T150-6	IFR Tank T150-6	VOC	7.80	3.44
		H ₂ S	<0.01	0.01
T200-1	IFR Tank T200-1	VOC	6.74	3.73
		H ₂ S	<0.01	0.01
T200-2	IFR Tank T200-2	VOC	6.74	3.73
		H ₂ S	<0.01	0.01

T200-3	IFR Tank 1200-3	VOC	6.74	3.73
		H ₂ S	<0.01	0.01
T200-4	IFR Tank T200-4	VOC	6.74	3.73
		H ₂ S	<0.01	0.01
T200-5	IFR Tank T200-5	VOC	6.74	3.73
		H ₂ S	<0.01	0.01
T200-6	IFR Tank T200-6	VOC	6.74	3.73
		H ₂ S	<0.01	0.01
T200-7	IFR Tank T200-7	VOC	6.74	3.73
		H ₂ S	<0.01	0.01
T200-8	IFR Tank T200-8	VOC	6.74	3.73
		H ₂ S	<0.01	0.01
T009-1	VRT Tank T009-1	VOC	24.05	0.40
T30-3	VFR Tank T30-3	VOC	20.04	1.34
T30-4	IFR Tank T30-4	VOC	20.04	1.34
T100-7	VFR Tank T100-7	VOC	64.13	4.45
T100-8	VFR Tank T100-8	VOC	64.13	4.45
T100-13	VFR Tank T100-13	VOC	64.13	4.45
T100-14	VFR Tank T100-14	VOC	64.13	4.45
T100-15	VFR Tank T100-15	VOC	64.13	4.45
T100-16	VFR Tank T100-16	VOC	64.13	4.45
T100-17	VFR Tank T100-17	VOC	64.13	4.45
T100-18	VFR Tank T100-18	VOC	64.13	4.45
T100-19	VFR Tank T100-19	VOC	64.13	4.45
T100-20	VFR Tank T100-20	VOC	64.13	4.45
T100-21	VFR Tank T100-21	VOC	64.13	4.45
T100-22	VFR Tank T100-22	VOC	64.13	4.45
T100-23	VFR Tank T100-23	VOC	64.13	4.45
T100-24	VFR Tank T100-24	VOC	64.13	4.45

T200-9	VFR Tank T200-9	voc	64.13	8.92
T200-10	VFR Tank T200-10	VOC	64.13	8.92
T200-11	VFR Tank T200-11	VOC	64.13	8.92
T200-12	VFR Tank T200-12	voc	64.13	8.92
T320-1	VFR Tank T320-1	voc	64.13	14.25
T320-2	VFR Tank T320-2	voc	64.13	14.25
T320-3	VFR Tank T320-3	VOC	64.13	14.25
TANKCAP	Tank Cap	VOC	-	72.53
		H2S		0.08
FUG (5)	JG (5) Piping Fugitive Components	VOC	1.44	6.31
		H ₂ S	0.01	0.02
DOCK-1	Uncontrolled/Uncollected	VOC	17.63	
	Marine Vessel Loading Dock No. 1	H ₂ S	0.02	
DOCK-2	Uncontrolled/Uncollected Marine Vessel Loading Dock No. 2	VOC	17.63	
		H ₂ S	0.02	
DOCK-3	Uncontrolled/Uncollected	voc	17.63	
	Marine Vessel Loading Dock No. 3	H ₂ S	0.02	
DOCK-4	Uncontrolled/Uncollected	voc	17.63	
	Marine Vessel Loading Dock No.4	H ₂ S	0.02	
LOADUNC	Uncontrolled/Uncollected	voc		17.59
	Loading Annual Emissions Cap	H ₂ S		<0.01
TK-LAND	Uncontrolled Routine	VOC	42.29	1.58
	Tank Roof Landings	H ₂ S	<0.01	<0.01
TKVCU-1	Tank Roof Landing	VOC	2.38	
	VCU No. 1	NOx	14.25	
		СО	19.00	
		H ₂ S	<0.01	
		SO ₂	0.06	
		PM	0.71	
		l .		

		PM ₁₀	0.71	
		PM _{2.5}	0.71	
TKVCU-2	Tank Roof Landing	VOC	2.38	
	VCU No. 2	NOx	14.25	
		со	19.00	
		H₂S	<0.01	
		SO ₂	0.06	
		РМ	0.71	
		PM ₁₀	0.71	
		PM _{2.5}	0.71	
TKVCU-1 & TKVCU-2	Tank Roof Landing VCU	VOC		1.24
	No. 1 & 2 Annual Emissions Cap	NOx		9.77
		СО		13.02
		H ₂ S		<0.01
		SO ₂		0.04
		РМ		0.49
		PM ₁₀		0.49
		PM _{2.5}		0.49
VCU-1	Controlled Marine Vessel Loading VCU No.	VOC	5.26	
	1	NOx	14.25	
		СО	19.00	
		H ₂ S	0.02	
		SO ₂	37.51	
		РМ	0.71	
		PM ₁₀	0.71	
		PM _{2.5}	0.71	
VCU-2	Controlled Marine Vessel Loading VCU No.	VOC	5.26	
	2	NOx	14.25	
		СО	19.00	

		H ₂ S	0.02	
		SO ₂	37.51	
		PM	0.71	
		PM ₁₀	0.71	
		PM _{2.5}	0.71	
VCU-3	Controlled Marine	voc	5.26	
	Vessel Loading VCU No. 3	NOx	14.25	
		СО	19.00	
		H ₂ S	0.02	
		SO ₂	37.51	
		РМ	0.71	
		PM ₁₀	0.71	
		PM _{2.5}	0.71	
VCU-4	Controlled Marine	VOC	5.26	
	Vessel Loading VCU No. 4	NOx	14.25	
		СО	19.00	
		H ₂ S	0.02	
		SO ₂	37.51	
		РМ	0.71	
		PM ₁₀	0.71	
		PM _{2.5}	0.71	
VCU-1, VCU-2, VCU-3, & VCU-4	Controlled Loading Annual Emissions Cap	VOC		5.05
& VCO-4	Alliludi Ellissions Cap	NOx		33.15
		СО		44.20
		H ₂ S		<0.01
		SO ₂		8.17
		РМ		1.65
		PM ₁₀		1.65
		PM _{2.5}		1.65

MSS	MSS Emissions Cap	voc	199.67	2.91
		NOx	11.10	1.12
		СО	16.21	1.58
		SO ₂	2.12	1.08
		H ₂ S	<0.01	<0.01
		РМ	0.76	0.07
		PM ₁₀	0.76	0.07
		PM _{2.5}	0.76	0.07

- (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 H_2S - hydrogen sulfide

- (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: January 16, 2018	
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