Emission Sources - Maximum Allowable Emission Rates

Permit Number 73394

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)
ENG-1	Superior 8G825 800 bhp	NO_x	3.53	15.45
		CO	5.29	23.18
		VOC	1.76	7.73
		PM_{10}	0.12	0.53
		SO_2	<0.01	0.02
		Formaldehyde	0.03	0.13
ENG-2	Superior 8G825 800 bhp	NO_x	3.53	15.45
		CO	5.29	23.18
		VOC	1.76	7.73
		PM_{10}	0.12	0.53
		SO_2	<0.01	0.02
		Formaldehyde	0.03	0.13
ENG-3	Superior 6G825 500 bhp	NO_x	2.20	9.66
		CO	3.31	14.48
		VOC	1.10	4.83
		PM_{10}	0.08	0.33
		SO_2	<0.01	0.01
		Formaldehyde	0.02	0.08
ENG-4	Superior 6G825 500 bhp	NO_x	2.20	9.66
		CO	3.31	14.48

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ENG-4	Superior 6G825 500 bhp	VOC	1.10	4.83
		PM_{10}	0.08	0.33
		SO_2	<0.01	0.01
		Formaldehyde	0.02	0.08
ENG-7	Waukesha L7040 687 bhp	NO_x	3.03	13.27
		CO	4.54	19.90
		VOC	1.51	6.63
		PM_{10}	0.09	0.40
		SO_2	<0.01	0.01
		Formaldehyde	0.02	0.10
ENG-8A	Waukesha L7042G 687 bhp	NO_x	3.03	13.27
		CO	4.54	19.90
		VOC	1.51	6.63
		PM_{10}	0.09	0.40
		SO_2	<0.01	0.01
		Formaldehyde	0.02	0.10
ENG-9	Superior 8G825 667 bhp	NO_x	2.94	12.88
		CO	4.41	19.32
		VOC	1.47	6.44
		PM_{10}	0.10	0.44
		SO_2	<0.01	0.01
		Formaldehyde	0.03	0.11
ENG-17	Cooper Bessemer GMV-10 1,100 bhp	NO_x	43.65	191.19

Emission Sources - Maximum Allowable Emission Rates

ENG-17	Cooper Bessemer GMV-10 1,100 bhp	CO	19.40	84.98
		VOC	2.43	10.62
		PM_{10}	0.48	2.12
		SO_2	0.01	0.03
		Formaldehyde	0.55	2.42
ENG-18	Cooper Bessemer GMV-10 1,100 bhp	NO_x	43.65	191.19
		CO	19.40	84.98
		VOC	2.43	10.62
		PM_{10}	0.48	2.12
		SO_2	0.01	0.03
		Formaldehyde	0.55	2.42
ENG-19	Clark HBAT-10 2,600 bhp	NO_x	91.71	401.70
		CO	57.32	251.06
		VOC	5.73	25.11
		PM_{10}	0.97	4.23
		SO_2	0.01	0.05
		Formaldehyde	1.10	4.84
ENG-20	Clark HBAT-10 2,600 bhp	NO_x	91.71	401.70
		CO	57.32	251.06
		VOC	5.73	25.11
		PM_{10}	0.97	4.23
		SO_2	0.01	0.05
		Formaldehyde	1.10	4.84
ENG-21	Clark HBAT-10 2,600 bhp	NO_x	91.71	401.70
		CO	57.32	251.06

Emission Sources - Maximum Allowable Emission Rates

		VOC	5.73	25.11
		PM_{10}	0.97	4.23
		SO_2	0.01	0.05
		Formaldehyde	1.10	4.84
ENG-22	Clark HBAT-10 2,600 bhp	NO_x	91.71	401.70
		CO	57.32	251.06
		VOC	5.73	25.11
		PM_{10}	0.97	4.23
		SO_2	0.01	0.05
		Formaldehyde	1.10	4.84
ENG-23	Clark HBAT-10 2,600 bhp	NO_x	91.71	401.70
		CO	57.32	251.06
		VOC	5.73	25.11
		PM_{10}	0.97	4.23
		SO_2	0.01	0.05
		Formaldehyde	1.10	4.84
ENG-24	Ingersoll Rand PVG-8 370 bhp	NO_x	17.95	78.60
		CO	4.08	17.86
		VOC	0.82	3.57
		PM_{10}	0.06	0.26
		SO_2	<0.01	0.01
ENG-24	Ingersoll Rand PVG-8 370 bhp	Formaldehyde	0.06	0.27
ENG-25	Ingersoll Rand PVG-8 370 bhp	NO_x	17.95	78.60
		CO	4.08	17.86

Emission Sources - Maximum Allowable Emission Rates

		VOC	0.82	3.57
		PM_{10}	0.06	0.26
		SO_2	<0.01	0.01
		Formaldehyde	0.06	0.27
ENG-26	Ingersoll Rand PVG-8 370 bhp	NO_x	17.95	78.60
		CO	4.08	17.86
		VOC	0.82	3.57
		PM_{10}	0.06	0.26
		SO_2	<0.01	0.01
		Formaldehyde	0.06	0.27
ENG-27	Ingersoll Rand PVG-8 370 bhp	NO_x	17.95	78.60
		CO	4.08	17.86
		VOC	0.82	3.57
		PM_{10}	0.06	0.26
		SO_2	<0.01	0.01
		Formaldehyde	0.06	0.27
ENG-28	Ingersoll Rand PVG-8 370 bhp	NO_x	17.95	78.60
		CO	4.08	17.86
		VOC	0.82	3.57
		PM_{10}	0.06	0.26
ENG-28	Ingersoll Rand PVG-8 370 bhp	SO_2	<0.01	0.01
		Formaldehyde	0.06	0.27
ENG-31	Superior 8G825 667 bhp	NO_x	2.94	12.88
		CO	4.41	19.32

Emission Sources - Maximum Allowable Emission Rates

		VOC	1.47	6.44
		PM_{10}	0.10	0.44
		SO_2	<0.01	0.01
		Formaldehyde	0.03	0.11
ENG-32	Superior 8G825 667 bhp	NO_x	2.94	12.88
		CO	4.41	19.32
		VOC	1.47	6.44
		PM_{10}	0.10	0.44
		SO_2	<0.01	0.01
		Formaldehyde	0.03	0.11
ENG-33	Superior 8G825 667 bhp	NO_x	2.94	12.88
		CO	4.41	19.32
		VOC	1.47	6.44
		PM_{10}	0.10	0.44
		SO_2	<0.01	0.01
		Formaldehyde	0.03	0.11
ENG-34	Superior 6G510 400 bhp	NO_x	1.76	7.73
		CO	2.65	11.59
		VOC	0.88	3.86
ENG-34	Superior 6G510 400 bhp	PM_{10}	0.07	0.30
		SO_2	<0.01	0.01
		Formaldehyde	0.02	0.08
ENG-35	Superior 6G510 400 bhp	NO_x	1.76	7.73
		CO	2.65	11.59
		VOC	0.88	3.86

Emission Sources - Maximum Allowable Emission Rates

		PM_{10}	0.07	0.30
		SO_2	<0.01	0.01
		Formaldehyde	0.02	0.08
ENG-38B	Superior 8G825 667 bhp	NO_x	2.94	12.88
		CO	4.41	19.32
		VOC	1.47	6.44
		PM_{10}	0.10	0.44
		SO_2	<0.01	0.01
		Formaldehyde	0.03	0.11
ENG-39	Waukesha L7042G 687 bhp	NO_x	3.03	13.27
		CO	4.54	19.90
		VOC	1.51	6.63
		PM_{10}	0.09	0.40
		SO_2	<0.01	0.01
		Formaldehyde	0.02	0.10
ENG-40	Waukesha L7042G 687 bhp	NO_x	3.03	13.27
		CO	4.54	19.90
ENG-40	Waukesha L7042G 687 bhp	VOC	1.51	6.63
		PM_{10}	0.09	0.40
		SO_2	<0.01	0.01
		Formaldehyde	0.02	0.10
ENG-41B	Waukesha L7042G 818 bhp	NO_x	3.61	15.80
		CO	5.41	23.70
		VOC	1.35	5.92
		PM_{10}	0.11	0.50

Emission Sources - Maximum Allowable Emission Rates

		SO_2	<0.01	0.02
		Formaldehyde	0.03	0.13
ENG-42	Caterpillar G-3408 425 bhp	NO_x	1.84	8.21
		CO	2.81	12.31
		VOC	0.94	4.10
		PM_{10}	0.03	0.14
		SO_2	<0.01	0.01
		Formaldehyde	0.17	0.75
ENG-43	Caterpillar C15 DITA 475 bhp	NO_x	3.53	2.65
		CO	2.54	1.91
		VOC	0.30	0.23
		PM_{10}	0.34	0.25
		SO_2	0.97	0.73
		Formaldehyde	0.53	0.42
TK-1201	Pressure Drain Vessel 17,640 gallon	VOC	12.17	53.32
TK-1202	South Slop Oil Tank 5076 gallon	VOC	1.15	5.03
TK-1203	North Slop Oil Tank 5,076 gallons	VOC	1.31	5.75
TK-1204	North Gravity Drain Tank 6,391 gallons	VOC	<0.01	<0.01
TK-1205	South Gravity Drain Tank 6,391 gallons	VOC	<0.01	<0.01
TK-1206	Oil Skimmer Tank 7,669 gallons	VOC	<0.01	<0.01
TK-1210	Use Oil Tank	VOC	15.92	9.90
L-1	Condensate Truck Loading	VOC	1.21	0.08
L-2	Used Oil/Sales Tank Loadout	VOC	45.19	2.30

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L-3	Methanol Loading	VOC	4.51	0.16
FUG	Plant Fugitives (pre-monitoring)	VOC	14.59	63.92
		H_2S	0.04	0.19
FUG	Plant Fugitives (post-monitoring)	VOC	7.40	32.41
		H_2S	0.02	0.09
FUG-VHP	Loadout Operations Fugitives	VOC	0.05	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
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
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: _____