

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 85724

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)
709	1,000 horsepower (6) 4 stroke rich burn engine Waukesha L7042SGIU	CO	4.41	19.31
		NO <sub>x</sub>	4.41	19.31
		PM <sub>10</sub>	0.15	0.65
		SO <sub>2</sub>	0.01	0.03
		VOC	0.22	0.99
710	1,000 horsepower (6) 4 stroke rich burn engine Waukesha L7042SGIU	CO	4.41	19.31
		NO <sub>x</sub>	4.41	19.31
		PM <sub>10</sub>	0.15	0.65
		SO <sub>2</sub>	0.01	0.03
		VOC	0.22	0.99
711	1,000 horsepower (6) 4 stroke rich burn engine Waukesha L7042SGIU	CO	4.41	19.31
		NO <sub>x</sub>	4.41	19.31
		PM <sub>10</sub>	0.15	0.65
		SO <sub>2</sub>	0.01	0.03
		VOC	0.22	0.99
900	2,200 horsepower (8) 2 stroke lean burn engine MEP Engine	CO	9.70	42.49
		NO <sub>x</sub>	14.55	42.49
		PM <sub>10</sub>	0.81	3.54
		SO <sub>2</sub>	0.02	0.07
		VOC	0.36	1.56

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901	2,200 horsepower (8) 2 stroke lean burn engine MEP Engine	CO	9.70	42.49
		NO <sub>x</sub>	14.55	42.49
		PM <sub>10</sub>	0.81	3.54
		SO <sub>2</sub>	0.02	0.07
		VOC	0.36	1.56
902	2,200 horsepower (8) 2 stroke lean burn engine MEP Engine	CO	9.70	42.49
		NO <sub>x</sub>	14.55	42.49
		PM <sub>10</sub>	0.81	3.54
		SO <sub>2</sub>	0.02	0.07
		VOC	0.36	1.56
991	4,700 horsepower (7) Solar T-4700 Solonox turbine	CO	4.94	21.64
		NO <sub>x</sub>	6.20	27.16
		PM <sub>10</sub>	0.28	1.23
		SO <sub>2</sub>	0.14	0.63
		VOC	0.09	0.39
992	4,700 horsepower (7) Solar T-4700 Solonox turbine	CO	4.94	21.64
		NO <sub>x</sub>	6.20	27.16
		PM <sub>10</sub>	0.28	1.23
		SO <sub>2</sub>	0.14	0.63
		VOC	0.09	0.39
1034	1,000 horsepower (6) 4 stroke rich burn engine	CO	6.61	28.97
		NO <sub>x</sub>	4.41	19.31
		PM <sub>10</sub>	0.15	0.65
		SO <sub>2</sub>	0.01	0.03
		VOC	0.22	0.99

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1035	1,000 horsepower (6) 4 stroke rich burn engine	CO	6.61	28.97
		NO <sub>x</sub>	4.41	19.31
		PM <sub>10</sub>	0.15	0.65
		SO <sub>2</sub>	0.01	0.03
		VOC	0.22	0.99
AFTANK1	Antifreeze Storage Tank	VOC	0.01	0.01
AFTANK2	Antifreeze Storage Tank	VOC	0.01	0.01
AMINETK1	Amine Storage Tank	VOC	0.01	0.01
AMINEREBOIL	Amine Reboiler 6.49 MMBtu/hr fired duty	CO	0.53	2.34
		NO <sub>x</sub>	0.64	2.79
		PM <sub>10</sub>	0.05	0.21
		SO <sub>2</sub>	0.01	0.02
		VOC	0.03	0.15
TK-303	Condensate Tank 1	VOC	1.28	5.62
TK-305	Condensate Tank 2	VOC	1.28	5.62
FLARE-1	Flare	CO	5.07	22.20
		H <sub>2</sub> S	0.05	0.21
		NO <sub>x</sub>	0.59	2.59
		SO <sub>2</sub>	5.00	21.89
		VOC	1.13	4.96
GP1 REHEAT	GP1 Reheater 2.26 MMBtu/hr fired duty	CO	0.19	0.81
		NO <sub>x</sub>	0.22	0.97
		PM <sub>10</sub>	0.02	0.07
		SO <sub>2</sub>	0.01	0.01
		VOC	0.01	0.05

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GP3 REHEAT	GP3 Reheater 5.20 MMBtu/hr fired duty	CO	0.43	1.88
		NO <sub>x</sub>	0.51	2.23
		PM <sub>10</sub>	0.04	0.17
		SO <sub>2</sub>	0.01	0.01
		VOC	0.03	0.12
LUBETK1	Lube Oil Tank 1	VOC	0.01	0.01
LUBETK2	Lube Oil Tank 2	VOC	0.01	0.01
LUBETK3	Lube Oil Tank 3	VOC	0.01	0.01
LUBETK4	Lube Oil Tank 4	VOC	0.01	0.01
LUBETK5	Lube Oil Tank 5	VOC	0.01	0.01
LUBETK6	Lube Oil Tank 6	VOC	0.01	0.01
LUBETK7	Lube Oil Tank 7	VOC	0.01	0.01
LUBETK8	Lube Oil Tank 8	VOC	0.01	0.01
LUBETK9	Lube Oil Tank 9	VOC	0.01	0.01
LUBETK10	Lube Oil Tank 10	VOC	0.01	0.01
SLOPTK1	Slop Oil Tank 1	VOC	0.01	0.01
SLOPTK2	Slop Oil Tank 2	VOC	0.01	0.01
FUGKKK	Process Fugitives (5)	VOC	0.41	1.80
FUG	Process Fugitives (5)	VOC	1.90	8.30

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- (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) CO - carbon monoxide  
H<sub>2</sub>S - hydrogen sulfide  
NO<sub>x</sub> - total oxides of nitrogen  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
SO<sub>2</sub> - sulfur dioxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (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) Equipped with non selective catalyst reduction.
- (7) Equipped with Solonox combustors
- (8) Equipped with CO catalytic converter only.

Date: February 11, 2020