

EMISSION SOURCES - MAXIMUM EMISSION RATES

Permit Number 76773

This table lists the maximum 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 revision 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)
1019	900-hp Waukesha	VOC	0.31	1.37
		NO _x	3.97	17.38
		CO	3.97	17.38
		PM ₁₀ /PM _{2.5}	0.21	0.90
		SO ₂	0.01	0.03
		Formaldehyde	0.22	0.95
129	1,100-hp White 8GTLE	VOC	1.25	5.48
		NO _x	4.85	21.24
		CO	7.28	31.87
		PM ₁₀ /PM _{2.5}	0.11	0.46
		SO ₂	0.01	0.03
		Formaldehyde	0.56	2.45
136	1,100-hp White 8GTLE	VOC	1.25	5.48
		NO _x	4.85	21.24
		CO	7.28	31.87
		PM ₁₀ /PM _{2.5}	0.11	0.46
		SO ₂	0.01	0.03
		Formaldehyde	0.56	2.45
738	2,000-hp Unit 738	VOC	1.32	5.78
		NO _x	8.82	38.62

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		CO	8.82	38.62
		PM10/PM2.5	0.53	2.33
		SO2	0.01	0.03
		Formaldehyde	0.24	1.07
945	1,000-hp Waukesha 7042	VOC	0.31	1.37
		NOx	4.41	19.31
		CO	4.41	19.31
		PM10/PM2.5	0.21	0.90
		SO2	0.01	0.03
		Formaldehyde	0.05	0.20
946	1,000-hp Waukesha 7042	VOC	0.31	1.37
		NOx	4.41	19.31
		CO	4.41	19.31
		PM10/PM2.5	0.21	0.90
		SO2	0.01	0.03
		Formaldehyde	0.05	0.20
947	1,000-hp Waukesha 7042	VOC	0.31	1.37
		NOx	4.41	19.31
		CO	4.41	19.31
		PM10/PM2.5	0.21	0.90
		SO2	0.01	0.03
		Formaldehyde	0.05	0.20
948	1,000-hp Waukesha 7042	VOC	0.31	1.37
		NOx	4.41	19.31
		CO	4.41	19.31

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		PM10/PM2.5	0.21	0.90
		SO2	0.01	0.03
		Formaldehyde	0.05	0.20
949	830-hp Caterpillar 399	VOC	0.20	0.88
		NOx	3.66	16.03
		CO	5.49	24.04
		PM10/PM2.5	0.13	0.57
		SO2	0.001	0.02
		Formaldehyde	0.04	0.16
950	830-hp Caterpillar 399	VOC	0.20	0.88
		NOx	3.66	16.03
		CO	5.49	24.04
		PM10/PM2.5	0.13	0.57
		SO2	0.001	0.02
		Formaldehyde	0.04	0.16
RGHTR1	RegenHtr1	VOC	0.01	0.03
		NOx	0.11	0.49
		CO	0.09	0.41
		PM10/PM2.5	0.01	0.04
		SO2	0.001	0.003
		Formaldehyde	0.0001	0.0004
RGHTR2	RegenHtr2	VOC	0.01	0.03
		NOx	0.11	0.49
		CO	0.09	0.41
		PM10/PM2.5	0.01	0.04

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		SO2	0.001	0.003
		Formaldehyde	0.0001	0.0004
RGHTR3	RegenHtr3	VOC	0.01	0.05
		NOx	0.22	0.97
		CO	0.19	0.82
		PM10/PM2.5	0.02	0.07
		SO2	0.001	0.006
		Formaldehyde	0.0002	0.0001
AMNREBOIL	Amine Reboiler	VOC	0.02	0.10
		NOx	0.43	1.87
		CO	0.36	1.57
		PM10/PM2.5	0.03	0.14
		SO2	0.003	0.01
		Formaldehyde	0.0003	0.001
AMINE VENT	Amine Vent	VOC	3.03	13.26
GRP-CONDTK	Condensate/Slop Tanks	VOC	0.32	1.42
GRP-TRLOAD	Stabilized Condensate/Slop Loading	VOC	5.94	0.32
CSTK1	Slop Tank	VOC	0.22	0.98
PLTFUG	Plant Fugitives	VOC	1.49	6.50
PLANTVENT	MSS Blowdown	VOC	0.66	0.61
MAINT	Plant Maintenance	VOC	1.46	1.52

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Air Contaminant	Total Emission Rates	
	lbs/hr	tons per year
VOC	18.94	50.17
NO _x	48.32	211.60
CO	56.70	248.27
SO ₂	0.09	0.30
PM ₁₀ / PM _{2.5}	2.13	9.18
Formaldehyde	1.86	8.04

(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

CO - carbon monoxide

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

HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C

(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. Emission values should be used for federal applicability.

Effective
Date:

January 21, 2011