EMISSION SOURCES - MAXIMUM EMISSION RATES

Permit Number 95797

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)
ENG-1	3,550-hp Caterpillar G3612LE Refrigeration Engine equipped with SCR Catalyst & AFR Controller	VOC	3.91	17.14
		NO_X	5.84	24.00
		CO	5.84	24.00
		SO_2	0.01	0.06
		PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.10
		CH_2O	0.08	0.34
ENG-2	3,550-hp Caterpillar G3612LE Refrigeration Engine equipped with SCR Catalyst & AFR Controller	VOC	3.91	17.14
		NO_X	5.84	24.00
		CO	5.84	24.00
		SO_2	0.01	0.06
		PM_{10}	0.02	0.10
		$PM_{2.5}$	0.02	0.10
		CH_2O	0.08	0.34

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
ENG-3	Lean-burn 4,445-hp Caterpillar G3616LE Compression Engine equipped with SCR Catalyst & AFR Controller	VOC	4.90	21.46
		NO_X	6.86	30.05
		CO	6.36	30.05
		SO_2	0.02	0.08
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.03	0.13
		CH_2O	0.10	0.43
ENG-4	Lean-burn 4,445-hp Caterpillar G3616LE Compression Engine equipped with SCR Catalyst & AFR Controller	VOC	4.90	21.46
		NO_X	6.86	30.05
		CO	6.36	30.05
		SO_2	0.02	0.08
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.03	0.13
		CH_2O	0.10	0.43
ENG-5	Lean-burn 4,445-hp Caterpillar G3616LE Compression Engine equipped with SCR Catalyst & AFR Controller	VOC	4.90	21.46
		NO_X	6.86	30.05
		CO	6.36	30.05
		SO_2	0.02	0.08
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.03	0.13
		CH_2O	0.10	0.43

EMISSION SOURCES - MAXIMUM EMISSION RATES

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
ENG-6	Lean-burn 4,445-hp Caterpillar G3616LE Compression Engine equipped with SCR Catalyst & AFR Controller	VOC	4.90	21.46
		NO_X	6.86	30.05
		CO	6.36	30.05
		SO_2	0.02	0.08
		PM_{10}	0.03	0.13
		$PM_{2.5}$	0.03	0.13
		CH_2O	0.10	0.43
H-1	22 MMBtu/hr Regen Gas Heater	VOC	0.12	0.53
		NO_X	0.66	2.89
		CO	1.85	8.09
		SO_2	0.01	0.06
		PM_{10}	0.17	0.73
		$PM_{2.5}$	0.17	0.73
H-2	176 MMBtu/hr Hot Oil Heater	VOC	0.97	4.24
		NO_X	5.28	23.13
		CO	14.78	64.75
		SO_2	0.11	0.46
		PM_{10}	0.02	0.07
		$PM_{2.5}$	0.02	0.07
		H_2S	0.22	0.95

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lbs/hour	TPY (4)
TK-1*	480-bbl Condensate Tank	H_2S	<0.01	0.01
TK-2*	480-bbl Condensate Tank	H_2S	<0.01	0.01
TK-7	90-bbl Amine Storage Tank	VOC	0.06	0.26
TK-8	210-bbl EG Tank	VOC	<0.01	0.01
TK-9	90-bbl Lube Oil Tank	VOC	<0.01	0.01
TK-10	90-bbl Methanol Tank	VOC	0.01	0.05
TK-11	300-bbl Spent Amine Tank	VOC	0.14	0.62
L-1	Condensate Loadout	VOC	1.62	1.03
		H_2S	<0.01	0.01
L-2	Slop Oil Loadout	VOC	1.62	0.05
		H_2S	<0.01	<0.01
L-3	Waste Water Loadout	VOC	0.15	0.01
		H_2S	<0.01	<0.01
FUG-1	Site Fugitives	VOC	1.11	4.88
		H_2S	<0.01	0.01

Air Contaminant	Total Emission Rates	
	lbs/hr	tons per year
VOC	34.60	137.87
NO_X	45.41	195.72
CO	55.02	246.61
SO_2	41.44	181.55
H_2S	0.22	1.00
PM_{10}	1.69	7.41
$PM_{2.5}$	1.69	7.41
CH_2O	0.56	2.40

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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) 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
SO_2 - sulfur dioxide
H_2S - hydrogen sulfide
PM_{10} - 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
CH_2O - formaldehyde
(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: May 5, 2011