

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 80642

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	Compressor Engine - 896 horsepower (hp) Waukesha L7042G (5)	NO <sub>x</sub>	3.95	17.3
		CO	5.93	26
		VOC	1.98	8.65
		SO <sub>2</sub>	<0.01	0.02
		PM <sub>10</sub>	0.13	0.56
		Formaldehyde	0.03	0.14
ENG-2B	Compressor Engine - 896 hp Waukesha L7042G (5)	NO <sub>x</sub>	3.95	17.3
		CO	5.93	26
		VOC	1.98	8.65
		SO <sub>2</sub>	<0.01	0.02
		PM <sub>10</sub>	0.13	0.56
		Formaldehyde	0.03	0.14
TK-1	Lube Oil Tank - 500 gallons	VOC	<0.01	<0.01
TK-2	Slop Oil Tank - 212 barrels (bbl) (6)	VOC	<0.01	<0.01
L-2	Slop Oil Loadout from TK-2 to Tank Truck (6)	VOC	0.11	<0.01
TK-3	Condensate Storage Tank - 210 bbl (6)	VOC	0.28	1.22
L-1	Condensate Loadout from TK-3 to Tank Truck (6)	VOC	20.1	1.48
TK-6	Norkool Tank - 13 bbl	VOC	<0.01	<0.01
TK-7	Antifreeze Tank - 8 bbl	VOC	<0.01	<0.01
TK-8	Methanol Tank - 25 bbl	VOC	0.02	0.09
TK-9	Slop Oil Tank for VRU Skid - 10 bbl	VOC	<0.01	<0.01
V-1	Blowdown Vent (7)	VOC	24.3	0.49
FUG	Equipment Fugitives (8)	VOC	0.81	3.53
FUG-MSS	Fugitive emissions from MSS (8)	VOC	107	0.30
TK-4-MSS	Degassing of TK-4 for Maintenance	VOC	32.39	0.13
TK-5-MSS	Degassing of TK-5 for Maintenance	VOC	32.39	0.13

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<b>The following three sources are authorized by Permit by rule (PBR) and are incorporated by reference. These sources remain authorized by PBR 30 TAC § 106.352(l).</b>				
TK-4	Condensate Storage Tank - 400 bbl (9)	VOC	16.35	1.27
TK-5	Condensate Storage Tank - 400 bbl (9)	VOC	16.35	1.27
L-1	Condensate Loadout	VOC	40.1	2.97

- (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) NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
SO<sub>2</sub> - sulfur dioxide  
PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- (4) Compliance with annual emission limits (tons per year) is based on a 12-month rolling period.
- (5) Engine emission limits apply to normal and maintenance, startup, and shutdown (MSS) operation.
- (6) After installation of TK-4 and TK-5, TK-3 will be converted to slop oil tank, and TK-2 will be removed.
- (7) Venting of gas compressors during planned MSS.
- (8) Emission rate is an estimate and is enforceable through compliance with the applicable special conditions and permit application representations.
- (9) Tank emission limits apply to normal operation.

Date: January 8, 2013