

## 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-31a	Superior 8G825 667 bhp	NO <sub>x</sub>	2.94	12.88
		CO	4.41	19.32
		VOC	1.47	6.44
		PM	0.10	0.44
		PM <sub>10</sub>	0.10	0.44
		PM <sub>2.5</sub>	0.10	0.44
		SO <sub>2</sub>	<0.01	0.01
		Formaldehyde	0.03	0.11
ENG-32a	Superior 8G825 667 bhp	NO <sub>x</sub>	2.94	12.88
		CO	4.41	19.32
		VOC	1.47	6.44
		PM	0.10	0.44
		PM <sub>10</sub>	0.10	0.44
		PM <sub>2.5</sub>	0.10	0.44
		SO <sub>2</sub>	<0.01	0.01
		Formaldehyde	0.03	0.11

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ENG-33a	Superior 8G825 667 bhp	NO <sub>x</sub>	2.94	12.88
		CO	4.41	19.32
		VOC	1.47	6.44
		PM	0.10	0.44
		PM <sub>10</sub>	0.10	0.44
		PM <sub>2.5</sub>	0.10	0.44
		SO <sub>2</sub>	<0.01	0.01
		Formaldehyde	0.03	0.11
ENG-38B	Superior 8G825 667 bhp	NO <sub>x</sub>	2.94	12.88
		CO	4.41	19.32
		VOC	1.47	6.44
		PM	0.10	0.44
		PM <sub>10</sub>	0.10	0.44
		PM <sub>2.5</sub>	0.10	0.44
		SO <sub>2</sub>	<0.01	0.01
		Formaldehyde	0.03	0.11
ENG-42	Caterpillar G-3408 425 bhp	NO <sub>x</sub>	1.84	8.21
		CO	2.81	12.31
		VOC	0.94	4.10
		PM	0.03	0.14
		PM <sub>10</sub>	0.03	0.14
		PM <sub>2.5</sub>	0.03	0.14
		SO <sub>2</sub>	<0.01	0.01
		Formaldehyde	0.17	0.75
TK-1210	Used Oil Tank	VOC	15.92	9.90

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L-1	Sphere Condensate Removal Truck Loading Hose Disconnects (6)	VOC	0.13	0.19
		HAPs	0.01	0.01
L-2	Used Oil/Sales Tank Loadout	VOC	45.19	2.30
L-3	Methanol Loading	VOC	4.51	0.16
FUG	Plant Fugitives (5)	VOC	7.40	32.41
		H <sub>2</sub> S	0.02	0.09
FUG-VHP	Loadout/Unload Operations Fugitives (5)	VOC	0.08	0.35
		HAPs	0.02	0.07
FUG-STABL	Condensate Stabilizer Fugitive Components - Stabilizer Tower Liquids (5)	VOC	0.11	0.46
		HAPs	0.02	0.11
FUG-STABG1	Condensate Stabilizer Fugitive Components - Overhead Cooler and Knock-Out Drum (5)	VOC	0.04	0.17
		HAPs	<0.01	0.01
FUG-STABG2	Condensate Stabilizer Fugitive Components - Hansford Compressors (5)	VOC	0.02	0.09
		HAPs	<0.01	<0.01
FUG-STTRK	Stabilized Condensate Tanks and Truck Loading Fugitive Components (5)	VOC	0.15	0.65
		HAPs	0.03	0.12
FUG-G1	G&H Separator #1 Fugitive Components	VOC	0.07	0.29
		HAPs	<0.01	0.01
FUG-H1	G&H Separator #2 Fugitive Components	VOC	0.07	0.29
		HAPs	<0.01	0.01
L-1a	Unstabilized Condensate Truck Unloading Hose Disconnects (6)	VOC	0.18	0.79
		HAPs	0.01	0.04
L-1b	G&H Liquids Truck Loading Hose Disconnects (6)	VOC	0.22	0.12
		HAPs	<0.01	<0.01

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L-5	Truck Loading Stabilized Condensate	VOC	1.77	1.87
		HAPs	0.27	0.27
FLR-1	Flare – Controlled Acid Gas Waste	VOC	0.11	0.47
		H <sub>2</sub> S	0.59	2.11
		HAPs	0.04	0.16
FLR-1	Flare – Natural Gas Pilot, Natural Gas Assist, and Acid Gas Waste Products of Combustion	NO <sub>x</sub>	0.40	1.75
		CO	3.46	15.02
		VOC	0.81	3.52
		SO <sub>2</sub>	55.87	198.14
		H <sub>2</sub> S	<0.01	<0.01
		HAPs	0.07	0.30

- (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<sub>x</sub> - total oxides of nitrogen  
 SO<sub>2</sub> - sulfur dioxide  
 PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented  
 PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
 PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter  
 CO - carbon monoxide  
 H<sub>2</sub>S - hydrogen sulfide  
 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.
- (6) Hourly emissions from EPNs L-1, L-1a, and L-1b may not occur simultaneously such that the emissions from only one of these three EPNs are authorized to occur within a single 60-minute period.

Date: DRAFT - TBD