

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 669

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)
B-9	Blending Vessel	VOC	7.50	0.24
BD-1	Blending Vessel	VOC	7.71	0.30
BL-1	Blending Vessel	VOC	7.71	0.25
BL-2	Blending Vessel	VOC	7.71	0.25
BL-3	Blending Vessel	VOC	7.91	0.16
BL-6	Blending Vessel	VOC	7.71	0.02
BL-7	Blending Vessel	VOC	7.64	0.15
BL-8	Blending Vessel	VOC	7.71	0.16
BL-9	Blending Vessel	VOC	7.71	0.21
BL-10	Blending Vessel	VOC	7.71	0.24
BL-12	Blending Vessel	VOC	7.71	0.29
BL-13	Blending Vessel	VOC	7.81	0.24
BL-14	Blending Vessel	VOC	7.71	0.09
BL-15	Blending Vessel	VOC	7.71	0.09
BL-16	Blending Vessel	VOC	7.71	0.09
BL-18	Blending Vessel	VOC	7.71	0.24
BL-19	Blending Vessel	VOC	7.71	0.24
BL-20	Blending Vessel	VOC	7.71	0.24
BL-21	Blending Vessel	VOC	7.71	0.24
BL-22	Blending Vessel	VOC	7.72	0.24

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BL-23	Blending Vessel	VOC	7.71	0.24
BL-24	Blending Vessel	VOC	7.71	0.24
BL-25	Blending Vessel	VOC	7.71	0.45
BL-26	Blending Vessel	VOC	7.71	0.45
BL-27	Blending Vessel	VOC	7.71	0.24
BL-28	Blending Vessel	VOC	7.70	0.24
BL-29	Blending Vessel	VOC	7.71	1.65
BL-30	Blending Vessel	VOC	7.71	0.53
BL-31	Blending Vessel	VOC	7.71	0.53
BL-32	Blending Vessel	VOC	7.71	1.66
BL-33	Blending Vessel	VOC	4.73	0.15
D-67	Blending Vessel	VOC	7.71	1.66
D-68	Blending Vessel	VOC	7.71	1.66
D-69	Blending Vessel	VOC	7.71	1.66
D-70	Blending Vessel	VOC	7.71	1.66
FI-02	177 Unit Incinerator (6)	H <sub>2</sub> S	0.02	0.02
		SO <sub>2</sub>	44.75	8.15
		VOC	0.09	0.02
		CO	0.01	0.01
		NO <sub>x</sub>	0.05	0.01
NBLNDFUG	N Blend Deck Fugitives (5)	VOC	0.45	1.96
SBLNDFUG	S Blend Deck Fugitives (5)	VOC	0.79	3.46

EPN-13	156 Unit Flare (7)	VOC	1.87	0.12
		CO	0.43	0.02

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		NO <sub>x</sub>	0.08	0.01
S-41	PRO-1 Scrubber	VOC	3.51	0.11
SC-D-31	D-31 Scrubber	NaHS	0.01	0.01
		Na <sub>2</sub> S	0.01	0.01
		Na <sub>2</sub> CO <sub>3</sub>	0.01	0.01
M-1	Tank	VOC	0.01	0.01
M-2	Tank	VOC	0.59	0.01
D-90	Tank	VOC	4.77	0.63
D-91	Tank	VOC	5.22	0.27
EQW-3	Tank	VOC	11.29	0.01
P-36	Tank	VOC	0.23	1.94
FU-3663 TNKQ	Fugitives (5)	VOC	0.15	0.64
FU-3663 TNKO	Fugitives	VOC	0.22	0.95
		NaHS, Na <sub>2</sub> S, Na <sub>2</sub> CO <sub>3</sub>	0.02	0.11
D-10 FUG	Fugitives (5)	VOC	0.05	0.24
MSS-BLEND	Planned Maintenance Emissions	VOC	4.83	0.09
MSS-DPPLNT	East & West Vacuum Truck Emissions	VOC (8)	15.74	1.51
		VOC (9)	2.40	0.93
		H <sub>2</sub> S	0.01	0.01
		HCl	0.01	0.01
		H <sub>2</sub> SO <sub>4</sub>	0.01	0.01
MSS-DPPLNT	Railcar Clean Emissions	VOC	1.24	1.34
		H <sub>2</sub> S	0.01	0.01
		HCl	0.01	0.01
		H <sub>2</sub> SO <sub>4</sub>	0.01	0.01

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	Inherently Low Emitting Sources	VOC	3.18	0.96
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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) 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  
CO - carbon monoxide  
H<sub>2</sub>S - hydrogen sulfide  
NaHS - sodium hydrosulfide  
Na<sub>2</sub>S - sodium sulfide  
Na<sub>2</sub>CO<sub>3</sub> - sodium carbonate  
HCl - hydrogen chloride  
H<sub>2</sub>SO<sub>4</sub> - sulfuric acid
- (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) Emissions attributable to facilities authorized under Texas Commission on Environmental Quality (TCEQ) Permit Number 669 only. The EPN FI-02 authorized under TCEQ Permit Number 22059.
- (7) Listed flare emissions represent those generated through the combustion of waste gases associated with the operation of the SA-1, SA-2, SA-3, and SA-4 Storage Tanks.
- (8) Emissions authorized until April 4, 2012.
- (9) Emissions authorized after April 4, 2012.

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