

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. 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 *	
			lb/hr	TPY**
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

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CONTAMINANTS DATA			AIR	
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY**</u>
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
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

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			lb/hr	TPY**
D-70	Blending Vessel	VOC	7.71	1.66
FI-02	177 Unit Incinerator (5)	H ₂ S	0.02	0.02
		SO ₂	44.75	8.15
		VOC	0.09	0.02
		CO	0.01	0.01
		NO _x	0.05	0.01
NBLNDFUG	N Blend Deck Fugitives (4)	VOC	0.45	1.96
SBLNDFUG	S Blend Deck Fugitives (4)	VOC	0.79	3.46
EPN-13	156 Unit Flare (6)	VOC	1.87	0.12
		CO	0.43	0.02
		NO _x	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 ₂ S	0.01	0.01
		Na ₂ CO ₃	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

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			lb/hr	TPY**
FU-3663 TNKQ	Fugitives (4)	VOC	0.15	0.64
FU-3663 TNKO	Fugitives	VOC	0.22	0.95
		NaHS, Na ₂ S, Na ₂ CO ₃	0.02	0.11
D-10 FUG	Fugitives (4)	VOC	0.05	0.24

- (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 Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
H₂S - hydrogen sulfide
SO₂ - sulfur dioxide
CO - carbon monoxide
NaHS - sodium hydro sulfide
Na₂S - sodium sulfide
Na₂CO₃ - sodium carbonate
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) 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.
- (6) 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.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day____Days/week____Weeks/year____or Hrs/year 8,760

** Compliance with the annual emission limits is based on a 12-month rolling basis.

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Dated July 13, 2006