

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3663

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
EPN-013	156 Unit Flare (6)	VOC	1.87	0.12
		CO	0.43	0.02
		NOx	0.08	0.01
15	Anti-Oxidant Flare (6)	VOC	0.47	0.09
		CO	0.11	0.02
		NOx	0.22	<0.01
S-MAA6/9	MAA-6/9 Scrubber	VOC	0.26	0.04
S-41	PRO-1 Scrubber	VOC	3.51	0.11
SC-D-31	D-31 Scrubber	NaHS	0.01	0.01
		Na2S	0.01	0.01
		Na2CO3	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
D-3 FUG	Fugitives (4)	VOC	0.02	0.11
M-1 FUG	Fugitives (4)	VOC	0.02	0.08
M-2 FUG	Fugitives (4)	VOC	0.02	0.08
Z-23 FUG	Fugitives (4)	VOC	0.01	0.05
SA-1 FUG	Fugitives (4)	VOC	0.02	0.07
D-6 FUG	Fugitives (4)	VOC	0.02	0.11
SA-2 FUG	Fugitives (4)	VOC	0.02	0.07
SA-3 FUG	Fugitives (4)	VOC	0.02	0.07
SA-4 FUG	Fugitives (4)	VOC	0.02	0.07
D-90 FUG	Fugitives (4)	VOC	0.08	0.34

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
D-91 FUG	Fugitives (4)	VOC	0.03	0.12
EQW-3 FUG	Fugitives (4)	VOC	0.01	0.05
MAA-6 FUG	Fugitives (4)	VOC	0.01	0.06
MAA-9 FUG	Fugitives (4)	VOC	0.01	0.06
P-36 FUG	Fugitives (4)	VOC	0.03	0.12
PRO-1 FUG	Fugitives (4)	VOC	0.01	0.06
D-31 FUG	Fugitives (4)	NaHS,Na2S, Na2CO3	0.02	0.11
Boiler No. 4	Plant Boiler No. 4 (5)	CO	2.55	11.15
		NOx	10.10	44.23
		PM	0.40	1.76
		VOC	0.23	0.99
		SO2	0.05	0.22
Boiler No. 5	Plant Boiler No. 5 (5)	VOC	0.22	0.98
		NOx	13.81	60.50
		CO	31.69	128.52
		SO2	0.10	0.40
		PM	0.80	3.23

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Boiler No. 6	Plant Boiler No. 6 (5)	CO	1.20	5.25
		SO2	0.06	0.26
		VOC	0.28	1.21
		PM	0.49	2.14
		NOx	10.89	47.69

- (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) PM - particulate matter
VOC - volatile organic compounds as defined in General Rule 101.1
NOx - total oxides of nitrogen
SO2 - sulfur dioxide
CO - carbon monoxide
NaHS - sodium hydrosulfide
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) The combined annual emissions from these sources shall not exceed 76.88 TPY NOx, 128.52 TPY CO, 0.4 TPY SO2, 3.23 TPY PM, and 1.85 TPY VOC.
- (6) Flare emissions attributable to this facility.

* 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

Dated_____