

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 3791

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)	Name (3)	Air Contaminant		<u>Emission Rates *</u>	
			lb/hr	TPY		
E12F016	Tank 1501			VOC	3.8	0.84
E12F017	Tank 1502			VOC	3.8	0.84
E12F018	Tank 1503			VOC	3.8	0.84
E12F032	Tank 1043			VOC	8.04	0.25
E12D003	Tank 1701			H ₂ SO ₄	0.01	0.01
				SO ₃	0.01	0.01
E12D004	Tank 1702			H ₂ SO ₄	0.01	0.01
				SO ³	0.01	0.01
E12D005	Tank 1703			H ₂ SO ₄	0.01	0.01
				SO ₃	0.01	0.01
E12F020	Tank 1505			VOC	0.13	0.21
E12F021	Tank 1506			VOC	0.13	0.21
E12F019	Tank 1504			VOC	1.18	1.29
E12F022	Tank 1511			VOC	6.57	0.25
E12F023	Tank 1512			VOC	6.57	0.17
E12F024	Tank 1513			VOC	6.57	0.17
E12F025	Tank 1514			VOC	6.57	0.17
E09A032	No. 3 Olefins Flare			VOC	10.01	43.76

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>			
			lb/hr	TPY		
				NO _x	0.45	1.98
				CO	2.33	10.19
E12F026	Tank 1521			VOC	1.14	0.11
E12F027	Tank 1522			VOC	1.14	0.11

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
E12F030	Tank 1531		VOC	3.94 0.70
E12F035	Tank 1046		VOC	2.53 7.84
F12D001	Crude Unit Fugitives		VOC	0.46 2.02
F12E001	Bldg 16 Fugitives		VOC	0.24 1.02
F12F001	Bldg 17 Fugitives		VOC	0.58 2.51
F12E001O	MBS ORC Fugitives		VOC	0.05 0.18
F12E001B	Fugitives		VOC	1.60(5) 6.97(5)

- (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 General Rule 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
H₂SO₄ - sulfuric acid
SO₃ - sulfur trioxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) When processing mixed butanols.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year

Dated