

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

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

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Permit Number 25299

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)	<u>Emission Rates *</u>	
			lb/hr	TPY**
113F	AE Unit Equipment Fugitives (4)	VOC	1.30	5.80
113V1226	Tank 1226	VOC	0.60	0.30
251BV510	Tank 510	VOC	0.50	1.20
251BV512	Tank 512	VOC	0.60	1.30
251BV514	Tank 514	VOC	0.50	1.10
251BV810	Tank 810	VOC	0.40	0.50
251BV863	Tank 863	VOC	1.40	1.30
251BV876	Tank 876	VOC	1.50	1.30
251CV1035	Tank V-1035	VOC	0.20	0.20
251CV1263	Tank V-1263	VOC	0.8	1.4

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			lb/hr	TPY**
303M1239	Ethylene Flare (5)	VOC	18.9	7.7
		NO _x	0.6	0.5
		CO	3.0	2.7
		SO ₂	0.05	0.05
303M1239	Ethylene Flare, MSS (5)	VOC	11.8	0.1
		NO _x	0.5	0.05
		CO	2.4	0.05
		SO ₂	0.05	0.05
251DTL	Large Tank Truck Loading Fugitives	VOC	2.1	0.5
251DTL2	Small Tank Truck Loading Fugitives	VOC	0.19	(8)
251DTC	Railcar Loading	VOC	2.1	0.3
251DBL	Barge Loading	VOC	1.8	0.1
251DM1205	Shipping Flare (7)	VOC	26.3	3.8
		NO _x	1.0	0.3
		CO	5.4	1.6
251DM2224	Shipping Incinerator (7)	VOC	0.1	<0.01
		NO _x	0.2	<0.01
		CO	0.1	<0.01
113BLD137	Analyzer Vents	VOC	0.05	0.05
251F	Shipping Equipment Fugitives (7)	VOC	0.5	2.4
113F	Product Swaps Maintenance, Start-Up, and Shutdown	VOC	37.9	0.05
				8.1
		0.5	0.6	0.1

302M330, 302M331 302M460	Boilers (6)	VOC	1.0	0.2
		NO _x	10.4	5.5
		CO	17.1	3.2
		SO ₂	0.3	0.4
		PM ₁₀	0.9	0.6

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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_x - total oxides of nitrogen
CO - carbon monoxide
SO₂ - sulfur dioxide
PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Ethylene flare emissions associated with the Acetate Esters Unit only.
- (6) Emissions from these boilers are only the contribution from the Acetate Esters Unit.
- (7) Shipping emissions are the contribution from the Acetate Esters Unit only.
- (8) The 251DTL2 annual emissions are listed under 251DTL annual emissions (small and large truck loading fugitives).

* 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 _____

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

Dated June 10, 2005