

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 4196

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
251AV93	VA Tank	VOC	0.73	1.78
251AV199	VA Tank	VOC	0.90	0.93
251AV200	VA Tank	VOC	0.73	1.78
251AV644	VA Tank	VOC	0.73	1.78
251CV810	Acetic Acid Tank	VOC	0.29	0.41
251CV812	VA Tank	VOC	0.93	2.46
251V809	Acetic Acid Seal Pot	VOC	0.97	0.40
110V1211	VA Wastewater Tank	VOC	0.44	0.09
110T22	VA Process Vent Scrubber	VOC	1.66	3.51
303M1239	Ethylene Flare (5) Methane Guard Beds Acetaldehyde Vents (6)			
110F	Equipment Fugitives (4)	VOC	1.88	8.28
301M150	VA Cooling Tower (4)	VOC	0.31	1.36
251DTC	Railcar Stingers	VOC	1.53	0.23

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			<u>lb/hr</u>	<u>TPY</u>
251DM1205	Shipping Flare (7) Railcar Loading Tank Truck Loading Wash Rack			
251DBL	Barge Loading (8) Incinerator			
302M330/331/460	Plant Boilers (9) T-25, T-30, V903, T-29 OH/Residue Inerts Purge			
110A0549	VA Unit R29 Feed/Product Analyzer Vent	VOC	<0.01	0.03
110A6214	VA Unit R29 Feed Analyzer Vent	VOC	<0.01	0.01
110A6479A	VA Unit R29 Feed Analyzer Vent	VOC	0.03	0.12
10A6479B	VA Unit R29 Feed Analyzer Vent	VOC	0.03	0.12
110A6479C	VA Unit R29 Feed Analyzer Vent	VOC	0.03	0.12
110A6486A	VA Unit R29 Product Analyzer Vent	VOC	0.03	0.11

110A6486B	VA Unit R29 Product Analyzer Vent	VOC	0.03	0.11
110A8652	VA Unit T123 OH Analyzer Vent	VOC	0.02	0.07
110A8654	VA Unit T123 OH Analyzer Vent	VOC	0.03	0.14
110A10354	VA Unit V801 Recycle Analyzer Vent	VOC	<0.01	0.02
110ABLDG2	VA Unit Building 2 Analyzer Vent	VOC	0.14	0.61

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) 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  
VA - vinyl acetate  
OH - overhead
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Emissions from EPN 303M1239 (Ethylene Flare) are in Permit Number 2447.
- (6) VA emissions from Acetaldehyde Sphere Vents V89, V90, V91, and V92, T-25 OH Receiver V-874 and T-29 OH Receiver V-698 vent to the Ethylene Flare (EPN 303M1239) in Permit Number 2447.
- (7) Railcar, tank truck, and wash rack emissions are routed to the Shipping Flare (EPN 251DM1205) in Permit Number 4449.

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- (8) Barge loading emissions are routed to the Barge Dock Incinerator (EPN 251DBL) in Permit Number 4449.
- (9) Emissions from the Plant Boilers are in Permit Number 2175.

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

24 Hrs/day 7 Days/week 52 Weeks/year or \_\_\_\_\_Hrs/year

Dated January 13, 2003