EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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	Emission Rates TPY
251AV93	VA Tank	VOC	0.55	1.02
251AV93	VA Tank (5)	VOC	0.55	1.06
251AV199	VA Tank	VOC	0.81	0.49
251AV199	VA Tank (5)	VOC	0.81	0.55
251AV200	VA Tank	VOC	0.55	0.95
251AV200	VA Tank (5)	VOC	0.55	1.06
251AV644	VA Tank	VOC	0.55	0.98
251AV644	VA Tank (5)	VOC	0.55	1.06
251CV810	Acetic Acid Tank	VOC	24.00	12.80
251CV810	Acetic Acid Tank (5)	VOC	0.32	0.38
251CV812	VA Tank	VOC	0.83	1.65
251CV812	VA Tank (5)	VOC	0.53	1.01
110V212	VA Mix Tank (6)	VOC	8.59	0.82
110V212	VA Mix Tank (5)	VOC	2.86	0.93

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Emission Point No. (1) *	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
110V240	VA Mix Tank (6)	VOC	5.89	0.18
110V240	VA Mix Tank (5)	VOC	1.96	0.25
110V806	VA Hold Tank (6)	VOC	4.80	0.73
110V806	VA Hold Tank (5)	VOC	1.60	0.84
110V807	VA Hold Tank (6)	VOC	4.80	0.03
110V807	VA Hold Tank (5)	VOC	1.60	0.03
251V809	Acetic Acid Seal Pot (6)	VOC	13.97	3.56
251V809	Acetic Acid Seal Pot (5)	VOC	0.97	0.40
110T22	VA Process Vent Scrubber	VOC	0.87	3.45
110T122	VA Hat Tray (7)	VOC	4.30	17.51
Area 7	API Separator (8)	VOC	56.72	229.29
110V905/6	Methane Guard (9) (10) Beds	VOC	13.37	13.04
		Benzene	0.44	0.43
		Toluene	0.59	0.57
303M1239	Ethylene Flare (11) Methane Guard Beds Inerts Purge (12) Acetaldehyde Vents (13)			
110F	Equipment Fugitives (4)	VOC	1.88	8.28
301M150	VA Cooling Tower (4)	VOC	0.31	1.36
251DTC	Wash Rack (14)	VOC	115.33	63.23

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Emission Point No. (1) *	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
251DTC	Railcar Stingers	VOC	3.08	2.87
251DTC	Railcar Stingers (5)	VOC	1.53	0.23
251DM1205	Shipping Flare (15) Railcar Loading Tank Truck Loading Wash Rack			
251DBL	Barge Loading (16) Incinerator			
302M330/331/460	Plant Boilers (17) 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
110A6479B	VA Unit R29 Feed Analyzer Vent	VOC	0.03	0.12
110A6479C	VA Unit R29 Feed	VOC	0.03	0.12

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AIR CONTAMINANTS DATA

Emission Point No. (1) *	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	TPY
	Analyzer Vent			
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

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(1) Emission point identification - either specific equipment designation or emission point no. (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 TNRCC General Rule 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) Emission allowables after all actions required in Special Condition Nos. 7, 8, 9, 10, 11, 12, 13, and 14 are completed.
(6) Emissions from EPNs 110V212, 110V240, 110V806, 110V807, and 251V809 shall be reduced or controlled prior to the production increase authorized in Special Condition No. 5 or no later than November 1, 1995, whichever occurs first.
(7) Emissions from EPN 110T122 (VA Hat Tray) shall be eliminated by June 1, 1996.
(8) Emissions from EPN Area 7 (API Separator) shall be eliminated no later than June 1, 1996.
(9) Emissions from EPN 110V905/6 (Methane Guard Beds) shall be routed to the Ethylene Flare, EPN 303M1239, (Permit No. 2447) prior to the production increase authorized by Special Condition No. 5 or by March 1, 1995, whichever occurs first.
(10) VOC emissions represent total VOC emissions; therefore, speciated and VOC limits are not additive.
(11) Emissions from EPN 303M1239 (Ethylene Flare) are in Permit No. 2447.
(12) The inerts purge stream which currently vents to EPN 303M1239 (Ethylene Flare) shall be routed to the plant boilers in Permit No. 2175 prior to the production increase authorized by Special Condition No. 5 or no later than March 1, 1995, whichever occurs first.
(13) 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 No. 2447.
(14) Uncontrolled VA emissions from the Wash Rack (EPN 251DTC) shall be routed to the Shipping Flare, EPN 251DM1205 (Permit No. 4449), prior to the production increase authorized by Special Condition No. 5 or by March 1, 1995, whichever occurs first.
(15) Railcar, tank truck, and wash rack emissions are routed to the Shipping Flare (EPN 251DM1205) in Permit No. 4449.

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(16) Barge loading emissions are routed to the Barge Dock Incinerator (EPN 251DBL) in Permit No. 4449.

(17) Emissions from the Plant Boilers are in Permit No. 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_____