EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4477

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
L2V3251	Vinyl Acetate Storage (8)	VOC	0.24	0.26
L3V4367	Vinyl Acetate Storage (9)	VOC	15.30	0.52
		VOC (7)	15.30	0.64
L3V4367	Vinyl Acetate Storage (10)	VOC	0.24	0.26
		VOC (7)	0.24	0.27
L3V4383	Catalyst Mix Tank	VOC	0.06	<0.01
L3V4382	Catalyst Mix Tank	VOC	0.06	<0.01
L3V4352	Catalyst Mix Tank	VOC	0.06	<0.01
L3V4351	Catalyst Feed Tank	VOC	<0.01	<0.01
L3V4384	Catalyst Feed Tank	VOC	<0.01	<0.01
L3V4385	Catalyst Feed Tank	VOC	<0.01	<0.01
L3V4414	Additive Mix Tank	VOC	0.34	<0.01
		PM_{10}	0.25	0.02
L3V4415	Additive Mix Tank	VOC	0.34	<0.01
		PM_{10}	0.25	0.02
L3V4368	Additive Mix Tank	VOC	0.34	<0.01
		PM_{10}	0.25	0.02
L3V4369	Additive Mix Tank	VOC	0.34	<0.01
		PM_{10}	0.25	0.02
L3V4236	Additive Hold Tank	VOC	0.05	<0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
L3V4237	Additive Hold Tank	VOC	0.05	<0.01
L3V4238	Additive Hold Tank	VOC	0.05	<0.01
L3V4239	Additive Hold Tank	VOC	0.05	<0.01
L3J4262	Catalyst Sump	VOC	0.01	<0.01
		Organic Peroxide	<0.01	<0.01
L3J4211	Modifier Sump	VOC	1.15	0.04
L3J4230	Knockout Sump	VOC	1.43	0.12
L3V4373	Bulk Oil Storage Tank	VOC	1.20	<0.01
L3V5228	Lube Oil Day Tank	VOC	0.08	<0.01
L3SILOS	Silos (6)	VOC	68.8	167.2
		VOC (7)	86.9	175.2
L3FUGITIVE	Process Fugitives (4)	VOC	19.51	85.5
L3V4251	Blowdown Drum	VOC	0.10	0.40
L3V4205	Vertical Cooler	VOC	<0.01	0.02
L3SILOCYCL	Silos	PM	0.22	0.99
L3L4205	Dryer Discharge	PM	0.44	1.93
L3RECVCYCL	Receiver Cyclones	PM	0.05	0.20
L3SCALCYC	Scalperator Cyclones	PM	0.16	0.72
L3FLARE	Flare	VOC	1.68	1.95
		NO_x	0.21	0.85
		CO	0.46	2.44

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates * lb/hr	TPY
		SO_2	0.03	0.13
L2CT	Cooling Tower (5)	VOC	1.35	5.92

(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, suspended in the atmosphere, including PM_{10}.
PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide
(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
(5) Includes emissions from services to AB II Unit.
(6) Includes emissions due to VOC residual in the polymer from all vents downstream of the extruder.
(7) Emission limit during vinyl acetate copolymer test runs to be completed by July 31, 2000.
(8) These emission limits apply to the previously grandfathered Tank L2V3251 after the start of operation of the Modifier Recovery Unit (MRU). The MRU is represented in the June 1998 amendment to TNRCC Air Quality Permit No. 5836. The emission reductions for the tank are to be accomplished by installation of an internal floating roof prior to start of operation of the MRU.
(9) Emission limits for Tank L3V4367 prior to start of operation of the MRU.
(10) Emission limits for Tank L3V4367 after the start of operation of the Modifier Recovery Unit (MRU). The emission reductions for the tank are to be accomplished by installation of an internal floating roof prior to start of operation of the MRU.

* 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_____