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 **
L2BDE	E Line Wax Blowdown (5)	VOC	5.95	4.35
L2BDF	F Line Wax Blowdown (5)	VOC	5.95	4.35
L2CATADD	Catalyst System Tanks	VOC	2.32	0.08
L2V2101	Isopar H Storage	VOC	1.81	0.02
L2V2102	Isopar H Storage	VOC	1.81	0.02
L2V3251	Vinyl Acetate Storage	VOC	0.24	0.36
L2LIQLOAD	Loading	VOC	4.95	0.07
L2FUG	Fugitives (4)	VOC	9.26	40.54
L3V4367	Vinyl Acetate Storage	VOC	0.23	0.30
L3V4608A	Catalyst Mix Tank	VOC	1.13	0.07
L3V4608B	Catalyst Mix Tank	VOC	1.26	0.07
L3V4608C	Catalyst Feed Tank	VOC	0.10	0.12
L3V4608D	Catalyst Feed Tank	VOC	0.10	0.12
L3V4608E	Catalyst Feed Tank	VOC	0.10	0.12
L3V4608F	Catalyst Mix Tank	VOC	1.13	0.07
L3V4675	Additive Mix Tank	VOC	0.03	0.01

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L3V4676	Additive Mix Tank	VOC	0.03	0.01
L3V4262	Catalyst Sump	VOC	<0.01	<0.01
L3SILOS	Silos (6)	VOC	37.5 68.8 (7)	38.9
L3FUG	Process Fugitives (4)	VOC	21.09	92.45
L3SILOCYCL	Storage/Mix Cyclones	PM	1.80	7.43
L3FLARE	Flare	VOC	18.53	3.89
		NO_x	1.88	0.65
		CO	9.60	3.34
		SO_2	<0.01	<0.01
L2CT	Cooling Tower	VOC	1.35	5.91
L3CT	AB III Cooling Tower	VOC	0.84	3.68
L3RTO	Regenerative Thermal Oxidizer (RTO)	VOC	3.56	14.97
		NO_x	1.05	4.17
		CO	4.89	19.45
		SO_2	<0.01	<0.01
		PM	0.02	0.09
L3V4(1)	Catalyst Mix Vessel	VOC	3.89	0.16
L3V4(2)	Catalyst Feed Vessel	VOC	1.36	0.23
L3DISCH2	Discharge Cyclone	PM	0.94	1.45
L3DISCH3	Discharge Cyclone	PM	0.94	1.73
L3SCALP2	Scalperator Cyclone	PM	1.16	1.77

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L3SCALP3	Scalperator Cyclone	PM	1.16	2.13
L3BAGRECV	Bag Receiver Cyclone	PM	0.23	0.50
L3BAGSCALP	Bag Scalperator Cyclone	PM	0.23	0.50
L3MBSTG	Masterbatch Storage	PM	0.23	0.03
L3MBFEEDER	Masterbatch Feeder	PM	0.46	0.08
L2PAT1	Pump and Trap No. 1	VOC	0.02	0.01
L2PAT2	Pump and Trap No. 2	VOC	0.02	0.01
L2PAT3	Pump and Trap No. 3	VOC	0.02	0.01
L3PAT1	Pump and Trap No. 1	VOC	0.03	0.01
L3PAT2	Pump and Trap No. 2	VOC	0.03	<0.01
L3ADDCON	Additive Conveyor Vent Filter	PM	0.02	0.09
L3ADDFDA	Additive Feed Bin Vent Filter	PM	0.01	<0.01
L3ADDFDB	Additive Feed Bin Vent Filter	PM	0.01	<0.01
L3MIXCON	Mixing Conveyor Vent Filter	PM	0.01	0.04

(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources use area name or fugitive source name.

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(3) VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1
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.
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) E-Line and F-Line shall not be blown down simultaneously.

(6) Includes emissions due to residual VOC in the polymer from all vents downstream of the extruder.

(7) As required by the special conditions of this permit, production shall be curtailed during RTO downtime such that VOC emissions from the Silos (EPN L3SILOS) do not exceed 68.8 lb/hr.

* 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

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

Dated April 16, 2001