

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 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**
L2V2101	Isopar H Storage	VOC	3.28	0.07
L2V3251	Vinyl Acetate Storage	VOC	0.24	0.36
L2FUG	Fugitives (4)	VOC	9.67	42.36
L3V4367	Vinyl Acetate Storage	VOC	0.23	0.36
L3V4608A	Catalyst Mix Tank	VOC	0.76	0.10
L3V4608B	Catalyst Mix Tank	VOC	0.76	0.10
L3V4608C	Catalyst Feed Tank	VOC	0.76	0.10
L3V4608D	Catalyst Feed Tank	VOC	0.76	0.10
L3V4608E	Catalyst Feed Tank	VOC	0.76	0.10
L3V4608F	Catalyst Mix Tank	VOC	0.76	0.10
L3V4675	Additive Mix Tank	VOC	0.14	0.03
L3V4262	Catalyst Sump	VOC	0.01	0.01
L3SILOS	Silos (5)	VOC	37.5 68.75 (6)	38.92
L3FUG	Process Fugitives (4)	VOC	19.26	84.35
L3SILOCYCL	Storage/Mix Cyclones	PM	1.80	7.43

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L3FLARE	Flare	VOC	17.50	3.24
		NO _x 1.23	0.44	
		CO	8.90	3.14
		SO ₂	0.23	1.02
L3FLARE	Flare (SSM Emissions)	VOC	48.62	0.31
		NO _x 3.06	0.03	
		CO	22.07	0.15
L2CT	Cooling Tower	VOC	1.35	5.91
L3RTO	Regenerative Thermal Oxidizer (RTO)	VOC	3.56	14.97
		NO _x	1.05	4.17
		CO	9.77	38.90
		SO ₂	0.24	0.89
		PM	0.02	0.09
L3DISCH2	Discharge Cyclone	PM	0.87	1.34
L3DISCH3	Discharge Cyclone	PM	0.87	1.61
L3SCALP2	Scalperator Cyclone	PM	1.07	1.64
L3SCALP3	Scalperator Cyclone	PM	1.09	2.01
L3BAGRECV	Bag Receiver Cyclone	PM	0.21	0.46
L3MBSTG	Masterbatch Storage	PM	0.21	0.03
L3MBFEEDER	Masterbatch Feeder	PM	0.43	0.08
L2PAT1	Pump and Trap No. 1	VOC	0.01	0.01
L2PAT2	Pump and Trap No. 2	VOC	0.01	0.01
L2PAT3	Pump and Trap No. 3	VOC	0.01	0.01

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L3PAT1	Pump and Trap No. 1	VOC	0.01	0.01
L3PAT2	Pump and Trap No. 2	VOC	0.92	0.01
L3ADDCON	Additive Conveyor Vent Filter	PM	0.02	0.08
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	0.03
L3V4351	Catalyst Feed Tank	VOC	0.12	0.24
L3V4384	Catalyst Feed Tank	VOC	0.12	0.24
L3V4385	Catalyst Feed Tank	VOC	0.12	0.24
L3V4368	Catalyst Mix Tank	VOC	0.09	0.03
V-3740-1	Waste Peroxide Tank	VOC	0.03	0.01
V-3740-2	Waste Peroxide Poly Tank	VOC	0.13	0.01
L3C4202H1	Secondary Compressor Distance Piece Vent	VOC	0.01	0.01
L3C4202H2	Secondary Compressor Distance Piece Vent	VOC	0.01	0.01
L3C4202H3	Secondary Compressor Distance Piece Vent	VOC	0.01	0.01
L3C4202H4	Secondary Compressor Distance Piece Vent	VOC	0.01	0.01
L3C4202H5	Secondary Compressor Distance Piece Vent	VOC	0.01	0.01

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L3C4202H6	Secondary Compressor Distance Piece Vent	VOC	0.01	0.01
L3C4202L1	Secondary Compressor Distance Piece Vent	VOC	0.01	0.01
L3C4202L2	Secondary Compressor Distance Piece Vent	VOC	0.01	0.01
L3C4202L3	Secondary Compressor Distance Piece Vent	VOC	0.01	0.01
L3C4202L4	Secondary Compressor Distance Piece Vent	VOC	0.01	0.01
L3C4202D1	Primary Compressor Distance Piece Vent	VOC	0.01	0.01
L3V4501	Motion Work Lube Vent	VOC	0.01	0.01
L3V4754	Vent Cyclone (V-4754)	PM	0.21	0.94
L3V4701	Additive Conveying System Filter Receivers V-4704a and b	PM	0.02	0.08
L3V4705A	Additive Feed Bin Vent	PM	0.01	0.01
L3V4705B	Additive Feed Bin Vent	PM	0.01	0.01
L3V4707	Vent Filter for Mixing Conveyor	PM	0.01	0.01
L3V4352	Catalyst Mix Tank	VOC	0.32	0.24
L3V4382	Catalyst Mix Tank	VOC	0.32	0.24

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L3V4353	Catalyst Mix Tank	VOC	0.32	0.24
L34205	ABIII Spinaway Drier	PM	0.67	2.93
L3C3218	Odd Ball Blower C3218	PM	0.15	0.60
L3C3219	Odd Ball Blower C3219	PM	0.15	0.60
UTLBLRG	Utility Boiler G (7)	VOC	6.03	0.12
		NO _x	3.74	0.11
		CO	1.49	0.05
UTLBLRH	Utility Boiler H (7)	VOC	6.03	0.12
		NO _x	4.55	0.14
		CO	1.82	0.05

- (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.
- (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- PM - particulate matter, suspended in the atmosphere, including PM₁₀.
- PM₁₀ - 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
- SO₂ - sulfur dioxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Includes emissions due to residual VOC in the polymer from all vents downstream of the extruder.
- (6) 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 68.75 lb/hr.
- (7) Emissions shown are from waste stream combustion of boilers authorized under Permit Number 5226.

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

8,760 hrs/yr.

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

Dated April 22, 2005