

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 Contaminant Point No. (1) (3)	Source <u>Emission Rates *</u> Name (2)		Air	
	lb/hr	TPY	Name	
L3V4367	Vinyl Acetate Storage	VOC	15.6	0.68
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Contaminant	Source			Air
Point No. (1)	<u>Emission Rates *</u>	<u>Name (2)</u>		<u>Name</u>
(3)	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
L3FUGITIVE	Process Fugitives (4)	VOC	19.4	85.2
L3V4251	Blowdown Drum	VOC	0.10	0.40
L3V4205	Vertical Cooler	VOC	1.70	7.47
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

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Contaminant Point No. (1)	Source Emission Rates *		Air	
	Name (2)		Name	
(3)	lb/hr	TPY		
L3FLARE	Flare (7)	NO _x	0.06	0.25
		CO	0.29	1.27
		SO ₂	0.03	0.13
L2CT	Cooling Tower (5)	VOC	1.35	5.92

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (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
 - PM₁₀ - particulate matter less than 10 microns in diameter
 - VOC - volatile organic compounds as defined in General Rule 101.1
 - NO_x - total oxides of nitrogen
 - SO₂ - sulfur dioxide
 - CO - carbon monoxide
- (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) Flare is emergency use only; pilot flame emissions are shown on the table.

* 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_____