

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 |
| L3V4367 | Vinyl Acetate Storage | VOC | 15.3 | 0.52 |
| | | VOC (7) | 15.3 | 0.64 |
| 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 |

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| Emission * | Source | Air Contaminant | Emission Rates | |
|---------------|-----------------------|------------------|----------------|-------|
| Point No. (1) | Name (2) | Name (3) | lb/hr | TPY |
| L3V4236 | Additive Hold Tank | VOC | 0.05 | <0.01 |
| 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 |

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| Emission * <u>Point No. (1)</u> | Source Name (2) | Air Contaminant Name (3) | <u>Emission Rates</u> lb/hr TPY | |
|---------------------------------------|------------------------|---------------------------------|-----------------------------------------|------|
| L3SCALCYC | Scalperator Cyclones | PM | 0.16 | 0.72 |

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| <u>Emission</u> * | Source | Air Contaminant | <u>Emission Rates</u> | |
|----------------------|-------------------|-----------------|-----------------------|------------|
| <u>Point No. (1)</u> | <u>Name (2)</u> | <u>Name (3)</u> | <u>lb/hr</u> | <u>TPY</u> |
| L3FLARE | Flare | VOC | 0.32 | 0.11 |
| | | NO _x | 0.13 | 0.27 |
| | | CO | 0.30 | 1.27 |
| | | 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

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

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 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 March 31, 2000.

* 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 _____