

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18389

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 (4) Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|----------------------------------|---|-----------------------------|----------------|-------|
| | | | lb/hr | TPY |
| FOAMPLANT | Expanded Polystyrene Foam Production | Butane PM | 69.4 | 167.3 |
| | | | 1.34 | 9.64 |

The following itemized list represents actual process emission points authorized by this permit; however, emission rates associated with each of these emission points are only estimates; they are included here for clarity, and should not be considered enforceable emission limits:

| | | | | |
|-------------------------|--------------|--------|-------|-------|
| 1 | Road Traffic | PM | 0.70 | 2.15 |
| ES1-4 | Resin Silo | PM | 0.05 | 0.21 |
| ES5-7 | Storage Silo | PM | <0.01 | <0.01 |
| ES8-12 | Fluff Silo | PM | 0.25 | 1.07 |
| ES13,14A,14B 15A,15B | Blowers | PM | 0.12 | 5.35 |
| ES16 | Extruder 1 | Butane | 0.60 | 2.30 |
| ES17A,17B | Laminator | Butane | 2.80 | 3.60 |
| | | PM | 0.01 | 0.03 |
| ES19 | Extruder 2 | Butane | 0.60 | 2.30 |
| ES20 | Blowers | PM | 0.03 | 0.11 |

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AIR CONTAMINANTS DATA

| Emission * Point No. (1) | Source Name (2) | Air Contaminant Name (3) | Emission Rates | |
|--------------------------------|---------------------------------|-----------------------------|----------------|-------|
| | | | lb/hr | TPY |
| ES21A,21B | Blowers | PM | 0.04 | 0.15 |
| ES22A,22B | Reclaim Extruder | PM | 0.12 | 0.52 |
| ES23-32 | Extrusion Roof Vents | Butane | 14.0 | 36.3 |
| ES36-45 | Thermoformer 1-10 Roof Vents | Butane | 8.00 | 24.5 |
| ES46-52 | Warehouse 1-7 Wall Vents | Butane | 36.9 | 76.0 |
| ES56 | RTO | VOC | 2.00 | 7.85 |
| | | CO | 3.29 | 14.42 |
| | | SO ₂ | 0.01 | 0.01 |
| | | NO _x | 1.74 | 7.64 |
| | | PM | 0.01 | 0.04 |
| F1 | Roll Storage | Butane | 1.75 | 6.50 |
| F2 | Fluff Silos | Butane | 2.00 | 5.18 |
| F3 | Reclaim | Butane | 0.70 | 2.75 |

(1) Emission point identification - 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) VOC - volatile organic compounds as defined in General Rule 101.1

CO - carbon monoxide

SO₂ - sulfur dioxide

NO_x - total oxides of nitrogen

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AIR CONTAMINANTS DATA

| Emission * | 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> |

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter of 10 microns in diameter

(4) Emission rates are based on a continuous operating schedule of 8,760 hours per year.

Dated_____