

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 18389

This table lists the maximum allowable emission rates for all sources of air contaminants covered by this permit.

## AIR CONTAMINANTS DATA

| Emission<br>Point No. (1) | Source<br>Name (2)                            | Air Contaminant<br>Name (3) | Emission Rates |        |
|---------------------------|-----------------------------------------------|-----------------------------|----------------|--------|
|                           |                                               |                             | lb/hr          | TPY(4) |
| FOAMPLANT                 | Expanded Polystyrene<br>Foam Production       | VOC                         |                | 125.92 |
|                           |                                               | PM                          |                | 2.47   |
| ES56                      | Reclaim Process Routed<br>to Thermal Oxidizer | VOC                         | 0.80           | 3.50   |
|                           |                                               | VOC (5)                     | 0.02           | 0.08   |
|                           |                                               | CO (5)                      | 0.23           | 1.00   |
|                           |                                               | SO <sub>2</sub> (5)         | <0.01          | 0.01   |
|                           |                                               | NO <sub>x</sub> (5)         | 0.45           | 1.98   |
|                           |                                               | PM (5)                      | 0.02           | 0.09   |

The following itemized list represent 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.

|                                     |                      |     |       |     |
|-------------------------------------|----------------------|-----|-------|-----|
| ES1-4                               | Resin Silo           | PM  | 0.20  | (6) |
| ES5-7                               | Storage Silo         | PM  | 0.14  | (6) |
| ES13, 14A, 14B,<br>15A, 15B, and 20 | Blowers              | PM  | 0.14  | (6) |
| ES16                                | Extruder 1           | VOC | 1.93  | (6) |
| ES17A and 17B                       | Extrusion Laminators | VOC | 1.38  | (6) |
|                                     |                      | PM  | 0.08  | (6) |
| ES19                                | Extruder 2           | VOC | 1.37  | (6) |
| ES23 and 28                         | Reclaim Roof Vents   | VOC | 0.83  | (6) |
| ES24 - 27 and<br>ES29 - 32          | Extrusion Roof Vents | VOC | 3.30  | (6) |
| ES 33 and ES 34                     | Reclaim Barrel Vents | VOC | 12.12 | (6) |

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|---------------------------|-----------------------------------------|-----------------------------|-----------------------|--------|
|                           |                                         |                             | lb/hr                 | TPY(4) |
|                           | and Jet Cleaner                         | PM                          | <0.01                 | (6)    |
| ES36 - 45                 | Thermoformer<br>1-10 Roof Vents         | VOC                         | 4.10                  | (6)    |
| ES46 - 52                 | Warehouse and Loading<br>Dock Fugitives | VOC                         | 1.30                  | (6)    |
| F1                        | Roll Storage                            | VOC                         | 4.10                  | (6)    |

(1) Emission point identification - specific equipment designation or emission point number from plot plan.

(2) Specific point 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 PM<sub>10</sub>

PM<sub>10</sub> - 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.

CO - carbon monoxide

SO<sub>2</sub> - sulfur dioxide

NO<sub>x</sub> - total oxides of nitrogen

(4) Rate is for a rolling 12-consecutive months.

(5) Combustion emissions.

(6) Annual emission rates are represented in EPN FOAMPLANT.

Dated November 13, 2006