

1.1.3 Applicability Provisions and Applicable Regulations

The Foam Process is an "affected process" for purposes of these unit-specific conditions.

1.1.4 Non-Applicability of Regulations of Concern

No person shall cause or allow the discharge of more than 3.6 kg/hr (8 lb/hr) of organic material into the atmosphere from any emission unit, except as provided in 35 IAC 215.302, 215.303, or 215.304 and the following exemption: If no odor nuisance exists the limitation of 35 IAC 215 Subpart G shall only apply to photochemically reactive material [35 IAC 215.301]. The hydrocarbon blowing agent used in this process is not photochemically reactive; therefore, the Permittee is not limited to the 8 lb/hr limitation.

1.1.5 Operational and Production Limits and Work Practices

The Permittee shall only use a blowing agent that is not photochemically reactive.

1.1.6 Emission Limitations

The affected process is subject to the following:

Emission Unit	Total VOM Emissions Tons/Month	Total VOM Emissions Tons/Year
Foam Process	19.9	238.69

Emissions of total VOM from the affected process, as a whole, shall not exceed 238.69 tons per year and 19.9 tons per month, established at the request of the Permittee. Compliance with annual limits shall be determined from a running total of 12 months of data.

1.1.7 Testing Requirements

None

1.1.8 Monitoring Requirements

None

1.1.9 Recordkeeping Requirements

The Permittee shall maintain records of the following items for the affected process to demonstrate compliance with Conditions 1.1.3, and 1.1.6:

- a. Usage of blowing agent in Group 1, 2, and 3 separately in lb/month; and
- b. Annual aggregate VOM emissions from the affected process, based on blowing agent usage and the applicable emission factors, with supporting calculations.

1.1.10 Reporting Requirements

The Permittee shall notify the Illinois EPA of any record showing violation of emission limit in Condition 1.1.6 within 30 days of such an occurrence of the violation.

1.1.11 Operational Flexibility/Anticipated Operating Scenarios

N/A

1.1.12 Compliance Procedures

Compliance with the emission limits shall be based on the recordkeeping requirements in Condition 1.1.9 and the formula listed below:

To determine compliance with Conditions 1.1.3 and 1.1.6, VOM emissions from the affected process shall be calculated based on the following:

$$\text{VOM (ton/month)} = (\text{U1} \times \text{EF1}) + (\text{U2} \times \text{EF2}) + (\text{U3} \times \text{EF3}) \\ \times (1 \text{ ton}/2000 \text{ lb})$$

where

U1 = Group 1 (thickness 0.5" to 0.9")

U2 = Group 2 (thickness 1.0" to 2.6")

U3 = Group 3 (thickness 2.7" to 4.0")

EF1 = Emission factor for Group 1=0.141 lb/lb of blowing agent

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EF2 = Emission factor for Group 2=0.083 lb/lb of
blowing agent

EF3 = Emission factor for Group 3=0.063 lb/lb of
blowing agent

2. This permit is issued based on no increase of particulate matter from the process currently permitted in Application No. 84030014.

If you have any questions on this, please call Robin Helmerichs at 217/782-2113.

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DES:RBH:psj

cc: Region 2