

These limits define the potential emissions of the VOM and are based on the actual emissions determined from maximum production capacity and pellets manufacturer's emission data. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.

4. This permit is issued based on negligible emission of particulate matter from two pellets storage silos. For this purpose, emission shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.
5. The emissions of hazardous air pollutants (HAP) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single hazardous air pollutant or 25 tons per year of any combination of such hazardous air pollutants, or such lesser quantity as USEPA may establish by rule which would require the Permittee to obtain a Clean Air Act Permit Program permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any hazardous air pollutants from this source not triggering the requirement to obtain a Clean Air Act Permit Program permit from the Illinois EPA.
6. The Permittee shall maintain monthly records of the following items:
 - a. Amount of expendable polystyrene pellets used (ton/mo, ton/yr);
and
 - b. Pentane content in pellets (wt %).
7. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.
8. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
9. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing, or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
9511 West Harrison
Des Plaines, Illinois 600169

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10. The Permittee shall submit the following additional information from the prior year with the Annual Emissions Report, due May 1st of each year:
 - a. Amount of raw materials (expendable polystyrene pellets) used (tons/year).

It should be noted that the boiler is exempt from state permit requirements pursuant to 35 Ill. Adm. Code 201.146(d).

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

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

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cc: IEPA, FOS Region 1
IEPA, Compliance Section
Lotus Notes

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emission from the maintenance facility operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Agency used the annual operating scenario which results in maximum emissions from such a plant. This is a usage of 600 tons of expendable polystyrene pellets per year. The resulting maximum emissions are well below the levels, (e.g., 25 tons per year of VOM) at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that material is handled, and control measures are more effective than required in this permit.

1. VOM emissions from four polystyrene expanders:

Usage of Raw Material (Ton/Mo) (Ton/Yr)		Pentane Content (Wt. %)	Emission Factor (% of Pentane)	VOM Emissions (Ton/Mo) (Ton/Yr)	
60	600	6.5	61	2.4	23.9

2. This permit is issued based on negligible emission of particulate matter from two pellets storage silos. For this purpose, emission shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.
3. The emissions of hazardous air pollutants (HAP) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single hazardous air pollutant or 25 tons per year of any combination of such hazardous air pollutants, or such lesser quantity as USEPA may establish by rule which would require the Permittee to obtain a Clean Air Act Permit Program permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any hazardous air pollutants from this source not triggering the requirement to obtain a Clean Air Act Permit Program permit from the Illinois EPA.

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