

- b. This Permit is issued based on the coating lines not be used to manufacture Wood Furniture, as defined in 35 IAC 211.7290.

Note: If the coating lines were used to manufacture wood furniture, the VOM content of the coatings applied to such wood furniture would have to comply with 35 IAC 218, Subpart F.

- 3. VOM emissions and operation of equipment from paint flash-off tunnel/dryer, flow coating operation, and spray booth shall not exceed the following limits:

<u>Material</u>	<u>VOM Usage</u>		<u>VOM Emissions</u>	
	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
Coatings including thinners and solvents	2.6	23.7	2.6	23.7

These limits are based on maximum coating material usage as provided in the permit application and material balance. Compliance with annual limit shall be determined on a monthly basis from the sum of data for current month plus the preceding 11 months.

- 4a. Emissions and operation of all natural gas combustion equipment combined shall not exceed the following limits:

<u>Fuel Usage</u>		<u>Pollutant</u>	<u>Emissions</u>	
<u>(mmscf/Mo)</u>	<u>(mmscf/Yr)</u>		<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
7.2	85.0	NO _x	0.4	4.3
		CO	0.3	3.6
		VOM	0.1	0.2
		PM	0.1	0.3
		SO ₂	0.1	0.1

These limits are based on standard emission factors (Section 1.4 of AP-42) for natural gas combustion, the maximum firing rates, 8760 hours of operation, and a heating value of 1,020 Btu/scf for natural gas.

- b. Natural gas shall be the only fuel fired in the fuel combustion equipment at this facility.
- 5a. This permit is issued based on negligible emissions of particulate matter from wood working machines. For this purpose, emissions from these emission units in total shall not exceed nominal emission rates of 1 lb/hour and 4.4 tons/year.
- b. This permit is issued based on negligible emissions of particulate matter from pre oven sawdust brush. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 tons/year.
- 6. The emissions of Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year

of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a CAAPP permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a CAAPP permit from the Illinois EPA.

- 7a. Pursuant to 40 CFR 63.10(b)(3), if an owner or operator determines that his or her stationary source that emits (or has the potential to emit, without considering controls) one or more hazardous air pollutants regulated by any standard established pursuant to section 112(d) or (f) of the Clean Air Act, and that stationary source is in the source category regulated by the relevant standard, but that source is not subject to the relevant standard (or other requirement established under 40 CFR Part 63) because of limitations on the source's potential to emit or an exclusion, the owner or operator must keep a record of the applicability determination on site at the source for a period of 5 years after the determination, or until the source changes its operations to become an affected source, whichever comes first. The record of the applicability determination must be signed by the person making the determination and include an analysis (or other information) that demonstrates why the owner or operator believes the source is unaffected (e.g., because the source is an area source). The analysis (or other information) must be sufficiently detailed to allow the USEPA and/or Illinois EPA to make a finding about the source's applicability status with regard to the relevant standard or other requirement. If relevant, the analysis must be performed in accordance with requirements established in relevant subparts of 40 CFR Part 63 for this purpose for particular categories of stationary sources. If relevant, the analysis should be performed in accordance with USEPA guidance materials published to assist sources in making applicability determinations under Section 112 of the Clean Air Act, if any. The requirements to determine applicability of a standard under 40 CFR 63.1(b)(3) and to record the results of that determination under 40 CFR 63.10(b)(3) shall not by themselves create an obligation for the owner or operator to obtain a Title V permit.
- b. Permittee shall maintain records of the following items.
- i. The amount of each coating material, thinners, and clean-up solvent usage (gallons/month and gallons/year).
 - ii. VOM content of each coating, thinner, and solvent used (lb VOM/gallon).
 - iii. Natural gas usage (mmscf/month and mmscf/year).
 - iv. Monthly and annual NO_x, CO, VOM, PM, and SO₂ emissions with supporting calculations and documentation (tons/month and tons/year).
- c. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least five 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 or deviation from 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/deviation. 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 deviation and efforts to reduce emissions and future occurrences.
9. Two (2) copies of required reports and notifications 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 60016

It should be noted that this Permit reflects the permanent shut down of the wood burning incinerator previously operated at the facility, as indicated in the application. If the Permittee seek to restart the incinerator, a Construction Permit must be obtained prior to restarting the incinerator and a subsequent Clean Air Act Permit Program (CAAPP) operating permit must be obtained for the facility.

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

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

DES:MNP:psj

cc: Illinois EPA, FOS Region 1

Attachments

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions (ton/year) from the facility operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. The resulting maximum emissions are below the levels, e.g., 100 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 less material is handled.

Emission Unit	Emissions (Tons/Year)						
	NO _x	CO	VOM	PM	SO ₂	Single HAP	Total HAP
Paint flash-off tunnel/dryer, flow coating operation, spray booth (Material: Coatings including thinners and solvents)			23.7				
All Fuel Combustion Equipment (Natural Gas Fired)	4.3	3.6	0.2	0.3	0.1		
Wood Working machines				4.4			
Pre Oven Sawdust Brush				0.5			
Total:	4.3	3.6	23.9	5.2	0.1	< 10.0	< 25.0

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