

SUPPLEMENT TO PERMIT NO. 251-95

Stephan Wood Products
Grayling, Michigan

March 25, 1997

GENERAL CONDITIONS

1. Rule 201(1) - The person to whom this permit was issued shall not reconstruct, alter, modify, or relocate this equipment unless plans, specifications, and an application for a Permit to Install are submitted to and approved by the Department, unless otherwise exempt from the permit requirements.
2. Rule 201(4) - If the installation, reconstruction, relocation, or alteration of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the person to whom this permit was issued, or the designated authorized agent, shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909, if it is decided not to pursue the installation, reconstruction, relocation, or alteration of the equipment allowed by this Permit to Install.
3. Rule 201(6)(a) - If this Permit to Install is issued for a process or process equipment located at a stationary source which has been issued a Renewable Operating Permit pursuant to Rule 210, trial operation is allowed if the equipment performs in accordance with the terms and conditions of this Permit to Install and until the appropriate terms and conditions of this Permit to Install have been incorporated into the Renewable Operating Permit as a modification pursuant to Rule 216 or upon renewal pursuant to Rule 217. Upon incorporation of the appropriate terms and conditions into the Renewable Operating Permit, this Permit to Install shall become void.
4. Rules 201(6)(b)(i) and 216(1)(a)(v)(A) - Not more than 30 days after completion of the installation, construction, reconstruction, relocation, alteration, or modification authorized by this Permit to Install, the person to whom this Permit to Install was issued, or the authorized agent pursuant to Rule 204, shall notify the District Supervisor, Air Quality Division, in writing, of the completion of the activity. Completion of the installation, construction, reconstruction, relocation, alteration, or modification is considered to occur not later than commencement of trial operation of the process or process equipment.
5. Rule 201(6)(b)(ii) - Except as provided in General Condition No. 3, not more than 18 months after completion of the installation, construction, reconstruction, relocation, alteration, or modification authorized by this Permit to Install, the person to whom this permit was issued, or the authorized agent pursuant to Rule 204, shall notify the District Supervisor, Air Quality Division, in writing, of the status of compliance of the process or process equipment with the terms and conditions of the Permit to Install. The notification shall include all of the following:
 - A. The results of all testing, monitoring, and recordkeeping performed to determine the actual emissions from the process or process equipment and to demonstrate compliance with the terms and conditions of the Permit to Install.

- B. A schedule of compliance for the process or process equipment as described in Rule 119(a).
 - C. A statement, signed by the person owning or operating the process or process equipment, that, based on information and belief formed after reasonable inquiry, the statements and information in the notification are true, accurate, and complete.
6. Rule 201(7) and Section 5510 of Act 451, P.A. 1994 - The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Departments' rules or the Clean Air Act.
 7. Rule 219 - A new owner or operator of the process or process equipment covered by this Permit to Install shall immediately make a written request to the Department for a change of ownership or operational control. The request shall include all of the information required in Rule 219(1)(a), (b) and (c). If the request for a change in ownership or operational control is approved, the terms and conditions of this Permit to Install shall apply to the person or legal entity which hereafter owns or operates the process or process equipment for which this Permit to Install is issued. The written request shall be sent to the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909.
 8. Except as allowed by Rules 278 through 290, the person to whom this permit was issued shall not substitute any fuels, coatings, nor raw materials for those described in the application and allowed by this permit, nor make changes to the process or process equipment described in the application, without prior notification to and approval by the Air Quality Division.
 9. Rule 901 - Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property.
 10. Rule 912 - The owner or operator of a source, process, or process equipment shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant in excess of standards for more than one hour, or of any air contaminant in excess of standards for more than two hours, as required in this rule, to the District Supervisor, Air Quality Division. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the District Supervisor within 10 days, with the information required in this rule.
 11. Approval of this permit does not exempt the person to whom this permit was issued from complying with any future regulations which may be promulgated under Part 55 of Act 451, P.A. 1994.
 12. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.

SPECIAL CONDITIONS

13. The total volatile organic compound (VOC) emission rate from the wood parts dip tank; the paint spray booth used for the coating of assembled parts, each consisting of both metal and wood and/or fiberglass parts; and the infrared drying oven, collectively hereinafter known as "coating line", shall not exceed 26.7 pounds per hour nor 32.0 tons per year, based on a 12-month rolling time period as determined at the end of each calendar month.
14. The volatile organic compound (VOC) emission rate from the wood parts dip tank shall not exceed 6.5 pounds per gallon of coating (minus water) as applied.
15. The volatile organic compound (VOC) emission rate from the paint spray booth shall not exceed 3.5 pounds per gallon of coating (minus water) as applied.
16. There shall be no visible emissions from any portion of the coating line.
17. Rules 1001, 1003 and 1004 - Verification of VOC emission rates from any portion of or the entire coating line by testing, at owner's expense, in accordance with Department requirements, may be required for operating approval. Verification of emission rates includes the submittal of a complete report of the test results. If a test is required, stack testing procedures and the location of stack testing ports must have prior approval by the District Supervisor, Air Quality Division, and results shall be submitted within 120 days of the written requirement for such verification.
18. The applicant shall keep a monthly record using the method detailed in Appendix A or an alternative method acceptable to the District Supervisor, of the following information regarding the coating line:
 - A. Hours of operation of the coating line.
 - B. For each preservative, coating, lacquer thinner, activator and solvent used in the dip tank:
 1. The amount in gallons used (minus water and with water).
 2. The total VOC content in pounds per gallon (minus water and with water) as applied.
 - C. For each coating used in the paint spray booth:
 1. The amount in gallons used (with water).
 2. The total VOC content in pounds per gallon (minus water and with water) as applied.

- D. The amount in gallons and VOC content of all purge and/or cleanup solvents used and reclaimed.
- E. VOC emission calculations determining the total mass emissions from the coating line in tons per month; and a 12-month rolling time period mass emission at the end of each calendar month in tons per year.

All such records shall be kept on file for a period of at least two years and made available to the Air Quality Division upon request.

- 19. Applicant shall not operate the spray paint booth unless the exhaust filters are installed and operating properly.
- 20. The exhaust gases from the coating line shall be discharged unobstructed vertically upwards to the ambient air from a stack with a maximum diameter of 24 inches at an exit point not less than 27.0 feet above ground level.
- 21. The disposal of spent filters and/or waste coatings, and purge and/or cleanup solvents shall be performed in a manner which minimizes the introduction of air contaminants to the outer air.
- 22. Applicant shall equip and maintain the paint spray booth with air-assisted airless applicators or an equivalent technology with comparable or better transfer efficiency. All coating applicators shall be properly installed, maintained, and operated according to manufacturers' specifications.

SEB:bkg

Appendix A

Company: _____
 Permit no. _____ Month/year _____

| Wood Parts Dip Tank | A | B | C | D | E = A x B |
|--|----------------------------------|---------------------------------|----------------------------------|----------------------------------|------------------|
| Preservative/lacquer thinner/activator/solvent | Actual gallons used (with water) | Lbs VOC per gallon (with water) | Actual gallons used(minus water) | Lbs VOC per gallon (minus water) | Lbs of VOC |
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Total gallons minus water used = F = Sum of all C's Sum of all E's---->

Average VOC content (lbs VOC/gal coating-water) = G = Sum of all E's/F

Coating VOC limit, pounds per gallon (minus water)=H. G can = H or < H

Total tons VOC emitted from coatings = J = Sum of all E's/2000

| Paint Spray Booth | K | L | M | N | P = K x L |
|--------------------------|----------------------------------|---------------------------------|----------------------------------|----------------------------------|------------------|
| Coating/ Activator | Actual gallons used (with water) | Lbs VOC per gallon (with water) | Actual gallons used(minus water) | Lbs VOC per gallon (minus water) | Lbs of VOC |
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Total gallons minus water used = Q = Sum of all M's Sum of all P's---->

Average VOC content (lbs VOC/gal coating-water) = R = Sum of all P's/Q

Coating VOC limit, pounds per gallon (minus water) = S. R can = S or < S

Total tons VOC emitted from coatings = T = Sum of all P's/2000

| | U | V | | W | X =U(V -W) |
|--------------------------|------------------------------------|--------------------------------|--|------------------------------|-------------------|
| Cleanup or purge solvent | Lbs of VOC's per gallon of solvent | Actual gallons of solvent used | | Gallons of solvent reclaimed | Lbs of VOC |
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Total tons VOC emitted from solvent = Y = (sum of all X's/2000)

Total tons VOC emissions from processes and solvents = Z = (J +T + Y)

12 month rolling time period emissions in tons = AA = (total of 11 previous months + Z)

12 month rolling time period limit (tons) = BB. AA can = BB or < BB