State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
HOLMES COUNTY

Street Address: 122 S. Front Street
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329
Mailing Address: Lazarus Gov. Center P.O. Box 1049

Application No: 02-20569
Fac ID: 0238000187
DATE: 6/16/2005

Trailway Wood II
Jonas Miller
3173 Township Road 414
Dundee, OH 44624-9209

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

cc: **USEPA** **NEDO**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install	**Issue Date: 6/16/2005**
Terms and Conditions	**Effective Date: 6/16/2005**

FINAL PERMIT TO INSTALL 02-20569

Application Number:	02-20569
Facility ID:	0238000187
Permit Fee:	**$1200**
Name of Facility:	Trailway Wood II
Person to Contact:	Jonas Miller
Address:	3173 Township Road 414 Dundee, OH 44624-9209

Location of proposed air contaminant source(s) [emissions unit(s)]:
2261 County Road 168
Dundee, **Ohio**

Description of proposed emissions unit(s):
Stain booth, Sealer/Topcoat booth, Diesel Engine.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Joseph P. Koncelik

Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized

representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions

and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
OC/VOC	96.1 TPY
NOx	14.3 TPY
CO	3.08 TPY
PE	1.01 TPY
SO2	0.94 TPY

Emissions Unit ID: **B001**

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
		OAC rule 3745-17-11(B)(5)(a)
B001 - 174 HP Cummins diesel engine to supply facility power.	OAC rule 3745-31-05(A)(3)	OAC rule 3745-17-07(A)(1)
		OAC rule 3745-18-06(G)
		OAC rule 3745-31-05(C)

Applicable Emissions Limitations/Control Measures	
0.38 lb/hr and 1.01 TPY of particulate emissions(PE)/PM less than 10 microns in diameter (PM-10).	See section A.2.c below.
0.36 lb/hr and 0.94 TPY of sulfur dioxide (SO2). Also see B.1 below.	See section B.2 below.
5.41 lbs/hr and 14.3 TPY of nitrogen dioxides (NOx).	
1.16 lb/hr and 3.08 TPY of carbon monoxide (CO).	
0.44 lb/hr and 1.16 TPY of organic compounds (OC).	
Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity, as a six-minute average.	
The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(a) and OAC rule 3745-31-05(C).	
0.310 lb/mmBtu of particulate emissions	
The opacity limitation specified in this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).	

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-31-05(A)(3), best available technology for this emissions unit includes the emissions limitations and fuel sulfur content restriction.

2.b The hourly emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no records are required to be maintained to demonstrate compliance with these limitations.

2.c This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).

B. Operational Restrictions

1. The permittee shall use only diesel fuel/number 2 fuel oil with a maximum sulfur content of 0.5 percent by weight for combustion in this emissions unit.

2. The operation of this emissions unit is limited to 5292 hours per year, as a rolling, 12-month periods. The permittee has existing production records such that there is no need for first year monthly usage limitations.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than diesel fuel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall maintain documentation of the sulfur content of all fuels received.

3. The permittee shall record the hours of operation of the emissions unit each day.

4. Each month the permittee shall record total operating hours for the past 12-month period.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel other than diesel fuel with a maximum sulfur content of 0.5 percent by weight was burned in this emissions unit. Each report shall be submitted within 30 days of the deviation.

2. The permittee shall submit quarterly deviation reports that identify any monthly record which shows as exceedance of the hours of operation limit of this emissions unit for the previous 12-month period. The reports shall be submitted according to the General Terms and Conditions.

3. The permittee shall submit an annual report that includes the total operating hours of the emissions unit for the previous calendar year. The report shall be submitted according to the General Terms and Conditions.

E. Testing Requirements

1. Compliance with the emission limitations specified in section A of these terms and conditions shall be determined in accordance with the following methods:

   a. Emission Limitations:
   0.38 lb/hr and 1.01 TPY of PE/PM-10.

   Applicable Compliance Methods:
   Compliance with the hourly emission limitations above shall be determined by multiplying 0.0022 lb/hp-hr, the emission factors specified in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 (10/96), by 174 hp, the power output rating of this unit.

   Compliance with the annual emission limitations shall be termed by multiplying the hourly emission rate determined above by the hours of operation for the calendar year recorded according to C.4 and dividing by 2,000 lbs/ton.

   b. Emission Limitations:
   0.36 lb/hr and 0.94 TPY of SO2.

   Applicable Compliance Methods:
   Compliance with the hourly emission limitations above shall be determined by multiplying 0.00205 lb/hp-hr, the emission factors specified in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 (10/96), by 174 hp, the power output rating of this unit.

   Compliance with the annual emission limitations shall be termed by multiplying the hourly

emission rate determined above by the hours of operation for the calendar year recorded according to C.4 and dividing by 2,000 lbs/ton.

c. Emission Limitations:
5.41 lbs/hr and 14.3 TPY of NOx.

Applicable Compliance Methods:
Compliance with the hourly emission limitations above shall be determined by multiplying 0.031 lb/hp-hr, the emission factor174 hp, the power output rating of this unit.

Compliance with the annual emission limitations shall be termed by multiplying the hourly emission rate determined above by the hours of operation for the calendar year recorded according to C.4 and dividing by 2,000 lbs/ton.

d. Emission Limitations:
1.16 lb/hr and 3.08 TPY of CO.

Applicable Compliance Methods:
Compliance with the hourly emission limitations above shall be determined by multiplying 0.00668 lb/hp-hr, the emission factors specified in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 (10/96), by 174 hp, the power output rating of this unit.

Compliance with the annual emission limitations shall be termed by multiplying the hourly emission rate determined above by the hours of operation for the calendar year recorded according to C.4 and dividing by 2,000 lbs/ton.

e. Emission Limitations:
0.44 lb/hr and 1.16 TPY of OC.

Applicable Compliance Methods:
Compliance with the hourly emission limitations above shall be determined by multiplying 0.00251 lb/hp-hr, the emission factors specified in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 (10/96), by 174 hp, the power output rating of this unit.

Compliance with the annual emission limitations shall be termed by multiplying the hourly emission rate determined above by the hours of operation for the calendar year recorded according to C.4 and dividing by 2,000 lbs/ton.

f. Emission Limitation:
Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:

If required, compliance with the opacity limitation shall be determined using Method 9 of 40 CFR, Part 60, Appendix A.

g. Emission Limitation:
0.310 lb/mmBtu of particulate emissions.

Applicable Compliance Method:
Compliance with the emission limitation above shall be determined using the emission factor of 0.310 lb/mmBtu, specified in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 (10/96).

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
R001 - Stain booth with one HLVP spray gun to finish wood furniture. Coatings air dried.	OAC rule 3745-31-05(A)(3)	See A.2.b , A.2.d and B.2 below. The requirements of this rule also include compliance with requirements of OAC rule 3745-21-07(G)(2) and OAC rule 3745-31-05(C).
	OAC rule 3745-21-07(G)(2)	See A.2.a. below.
	OAC rule 3745-31-05(C)	See A.2.c below.

2. Additional Terms and Conditions

2.a Each day that a photochemically reactive material [as defined in OAC 3745-21-01(C)(5)] is employed, the organic compound (OC) emissions from all coatings and from photochemically reactive materials shall not exceed 8 pounds per hour and 40 pound per day. OC emissions from clean up material that is not a photochemically reactive material shall not be included in showing compliance with this limit.

2.b Each day that photochemically reactive materials [as defined in OAC 3745-21-01(C)(5)]are not employed, the volatile organic compound (VOC) emissions from coatings shall not exceed 20.4 pounds per hour. This limit is based upon the maximum application rate of 3.0 gallons per hour.

2.c The VOC emissions from all coatings and cleanup materials shall not exceed 54.2 tons per rolling, 12-month period.

2.d The VOC content of each coating shall not exceed 6.8 pounds per gallon, as applied.

B. Operational Restrictions

1. The maximum coating and clean up material usage for this emissions unit, shall not cause emissions to exceed 54.2 tons of VOC per rolling 12 months. The permittee has existing coating and clean up material usage records such that there is no need for first year monthly VOC emission limitations.

2. All exhaust from the spray booth shall pass through the dry filters whenever this emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain daily records that document all time periods when the dry filters were not in service when the emissions unit was in operation.

2. The permittee shall collect and record the following information for each day that photochemically reactive coatings or cleanup material are employed in this emissions unit:

   a. the company identification for each coating and photochemically reactive cleanup material employed;

   b. the number of gallons of each coating and photochemically reactive cleanup material employed;

   c. the OC content of each coating and photochemically reactive cleanup material, in pounds OC per gallon;

   d. the total emissions rate for all coatings and photochemically reactive cleanup materials, in pounds OC per day;

   e. the total number of hours the emissions unit was in operation;

   f. the average hourly OC emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average);

   g. the VOC content of each coating and photochemically reactive cleanup material, in pounds VOC per gallon; and

   h. the total emissions rate for all coatings and photochemically reactive cleanup materials, in pounds of VOC per day. .

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

3. The permittee shall collect and record the following information for each day that photochemically reactive coatings or cleanup materials are not employed in this emissions unit:

   a. the company identification for each coating or cleanup material employed;

   b. documentation that photochemically reactive material as defined in OAC rule 3745-21-01(C)(5) was not used;

   c. the number of gallons of each coating employed;

   d. the volatile organic compound (VOC) content of each coating, in lbs/gallon ;

   e. the total VOC emission rate for all non-photochemically coatings © times d), in lbs/day;

   f. the total number of hours the emissions unit was in operation; and

   g. the average hourly VOC emission rate for all coatings, i.e., (e)/(f), in lbs/hr.

4. The permittee shall collect and record the following information for each month for the emissions unit:

   a. the number of gallons of each non-photochemically reactive cleanup material employed minus the number of gallons of cleanup material recovered for disposal;

   b. the volatile organic compound (VOC) content of each non-photochemically cleanup material, in lbs/gallon;

   c. the total VOC emissions from all non-photochemically reactive cleanup materials employed, in lbs/day, i.e., sum of (b) times (a); and

   d. the actual VOC emissions for the previous, 12-month period [i.e., sum of the daily VOC emissions (terms C.2.h + C.3.e) and the monthly non-photochemically reactive cleanup material VOC emission (term C.4.c) for the previous, 12-month period].

5. The permit to install for the emissions units in the PTI combined were evaluated based on the

actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Compound: n-butyl acetate

TLV (mg/m3): 712

Maximum Hourly Emission Rate (lbs/hr): 25.7

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 2,452

MAGLC (ug/m3): 16,967

6. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

7. If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy":

a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of the evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall notify the Director in writing of any daily record showing that the dry filters were not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (Ohio EPA, Northeast District Office) within 30 days after the event occurs.

2. The permittee submit quarterly deviation (excursion) reports that identify:

a. for the days during which a photochemically reactive material was employed, each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour and/or 40 pounds per day, and the actual OC emissions for each such incidence;

b. for the days during which a photochemically reactive material was not employed, each day during which the average VOC emissions from the coatings exceeded the pounds per hour limitation specified above, and the actual average VOC emissions for each such day;

c. each day during which the VOC content of any coating exceeded the pounds per gallon limitation specified above and the actual VOC content of each such coatings employed; and

d. any exceedence of the annual VOC* emission limitation, as a rolling, 12-month summation, and the actual VOC emissions during such period.

*based upon the premise that 100% of the solvent in the coating and clean up material employed is emitted.

The report shall be submitted according to the General Terms and Conditions.

3. The permittee shall also submit an annual report that includes:

   a. a statement of each allowable emissions limit and operational restriction in Sections A.1, A.2 and B;

   b. a statement whether the emissions unit is in compliance with the emissions limits and operational restrictions; and

   c. the total annual VOC emissions.

   The report shall be submitted to the Director (Ohio EPA, Northeast District Office) by February 1 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the allowable emission limitations in Section A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:

   a. Emissions Limitation:
   8 pounds per hour of OC emissions for each day that photochemically reactive materials are employed.

   Applicable Compliance Method:
   Compliance shall be determined by the daily values calculated in C.2.f. based upon the record keeping specified in Section C.2.

   b. Emissions Limitation:
   40 pounds per day of OC emissions for each day that photochemically reactive materials are employed.

   Applicable Compliance Method:
   Compliance shall be determined by the daily values calculated in C.2.d. based upon the record keeping specified in Section C.2.

   c. Emissions Limitation:
   20.4 pounds VOC emissions per hour for each day that photochemically reactive materials are not employed.

Applicable Compliance Method:
Compliance shall be determined by the daily values calculated in C.3.g. based on the record keeping specified in Section C.3.

d. Emissions Limitation:
54.2 tons of VOC emissions per year from all coatings and cleanup material

Applicable Compliance Method:
Compliance shall be determined by the value recorded in C.4 based on the record keeping as specified in Section C.2 and C.3.

e. Emissions Limitation:
6.8 pound of VOC per gallon coating

Applicable Compliance Method:
Any determination of VOC content, solids contents, or density of coating material shall be based on the coating materials as employed (as applied), including the addition of any thinner or viscosity reducer to the coatings. In accordance with OAC rule 3745-21-04(B)(5), the permittee shall determine the composition of the coatings by formulation data supplied by the manufacturer of the coating materials, or from data determined by an analysis of each coating, as applied, by Reference Method 24 or Method 24A. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A (revised as of July 1, 2001), an owner or operator determines that Method 24 or Method 24A cannot be used for a particular coating or ink, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or ink to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 and/or Method 24A.

F. Miscellaneous Requirements

1. In accordance with the provisions of OAC rule 3745-35-07, the following terms and condition of this permit to install are federally enforceable: A-F, except C.5, C.6, and C.7.

Emissions Unit ID: **R001**

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
R002 - Stain booth with one HLVP spray gun to finish wood furniture. Coatings air dried.	OAC rule 3745-31-05(A)(3)	See A.2.b , A.2.d and B.2 below. The requirements of this rule also include compliance with requirements of OAC rule 3745-21-07(G)(2) and OAC rule 3745-31-05(C).
	OAC rule 3745-21-07(G)(2)	See A.2.a. below.
	OAC rule 3745-31-05(C)	See A.2.c below.

2. Additional Terms and Conditions

2.a Each day that a photochemically reactive material [as defined in OAC 3745-21-01(C)(5)] is employed, the organic compound (OC) emissions from all coatings and from photochemically reactive materials shall not exceed 8 pounds per hour and 40 pound per day. OC emissions from clean up material that is not a photochemically reactive material shall not be included in showing compliance with this limit.

2.b Each day that photochemically reactive materials [as defined in OAC 3745-21-01(C)(5)]are not employed, the volatile organic compound (VOC) emissions from coatings shall not exceed 15.3 pounds per hour, as a daily average. This limit is based upon the maximum application rate of 3.0 gallons per hour.

2.c The VOC emissions from all coatings and cleanup materials shall not exceed 40.7 tons per rolling, 12-month period.

2.d The VOC content of each coating shall not exceed 5.1 pounds per gallon, as applied.

B. Operational Restrictions

1. The maximum coating and clean up material usage for this emissions unit, shall not cause emissions to exceed 40.7 tons of VOC per rolling 12 months. The permittee has existing coating and clean up material usage records such that there is not a need for first year monthly VOC emission limitations.

2. All exhaust from the spray booth shall pass through the dry filters whenever this emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain daily records that document all time periods when the dry filters were not in service when the emissions unit was in operation.

2. The permittee shall collect and record the following information for each day that photochemically reactive coatings or cleanup material are employed in this emissions unit:

   a. the company identification for each coating and photochemically reactive cleanup material employed;

   b. the number of gallons of each coating and photochemically reactive cleanup material employed;

   c. the OC content of each coating and photochemically reactive cleanup material, in pounds OC per gallon;

   d. the total emissions rate for all coatings and photochemically reactive cleanup materials, in pounds OC per day;

   e. the total number of hours the emissions unit was in operation;

   f. the average hourly OC emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average);

   g. the VOC content of each coating and photochemically reactive cleanup material, in pounds VOC per gallon; and

   h. the total emissions rate for all coatings and photochemically reactive cleanup materials, in pounds VOC per day.

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5).]

3. The permittee shall collect and record the following information for each day that photochemically reactive coatings or cleanup materials are not employed in this emissions unit:

   a. the company identification for each coating or cleanup material employed;

   b. documentation that photochemically reactive material as defined in OAC rule 3745-21-01(C)(5) was not used;

   c. the number of gallons of each coating employed;

   d. the volatile organic compound (VOC) content of each coating, in lbs/gallon ;

   e. the total VOC emission rate for all non-photochemically coatings (C.3.c times C.3.d), in lbs/day;

   f. the total number of hours the emissions unit was in operation; and

   g. the average hourly VOC emission rate for all coatings, i.e., (e)/(f), in lbs/hr.

4. The permittee shall collect and record the following information for each month for the emissions unit:

   a. the number of gallons of each non-photochemically reactive cleanup material employed minus the number of gallons of cleanup material recovered for disposal;

   b. the volatile organic compound (VOC) content of each non-photochemically cleanup material, in lbs/gallon;

   c. the total VOC emissions from all non-photochemically reactive cleanup materials employed, in lbs/day, i.e., sum of (b) times (a); and

   d. the actual VOC emissions for the previous, 12-month period [i.e., sum of daily coating VOC emissions (terms C.2.h + C.3.e) and monthly non-photochemically reactive cleanup material VOC emission (sum of term C.4.c) for the previous, 12-month period].

5. The permit to install for the emissions units in the PTI combined were evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Compound: n-butyl acetate

   TLV (mg/m3): 712

   Maximum Hourly Emission Rate (lbs/hr): 25.7

   Predicted 1-Hour Maximum Ground-Level
   Concentration (ug/m3): 2,452

   MAGLC (ug/m3): 16,967

6. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased

exhaust flow, changes in stack height, changes in stack diameter, etc.).

7. If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

   The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy":

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

   b. documentation of the evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

   c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall notify the Director in writing of any daily record showing that the dry filters were not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (Ohio EPA, Northeast District Office) within 30 days after the event occurs.

2. The permittee submit quarterly deviation reports that identify:

   a. for the days during which a photochemically reactive material was employed, each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour and/or 40 pounds per day, and the actual OC emissions for each such incidence;

   b. for the days during which a photochemically reactive material was not employed, each day during which the average VOC emissions from the coatings exceeded the pounds per hour limitation specified above, and the actual average VOC emissions for each such day; and

c. each day during which the VOC content of any coating exceeded the pounds per gallon limitation specified above and the actual VOC content of each such coatings employed;

d. any exceedence of the annual VOC* emission limitation, as a rolling, 12-month summation, and the actual VOC emissions during such period.

*based upon the premise that 100% of the coatings and clean up materials employed is emitted.

The report shall be submitted according to the General Terms and Conditions

3. The permittee shall also submit an annual report that includes:

a. a statement of each allowable emissions limit and operational restriction in Sections A.1, A.2 and B;

b. a statement whether the emissions unit is in compliance with the emissions limits and operational restrictions; and

c. the total annual VOC emissions.

The report shall be submitted to the Director (Ohio EPA, Northeast District Office) by February 1 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the allowable emission limitations in Section A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:
8 pounds per hour of OC emissions for each day that photochemically reactive materials are employed.

Applicable Compliance Method:
Compliance shall be determined by the daily values calculated in C.2.f based upon the record keeping specified in Section C.2.

b. Emissions Limitation:
40 pounds per day of OC emissions for each day that photochemically reactive materials are employed.

Applicable Compliance Method:
Compliance shall be determined by the daily values calculated in C.2.d based upon the record keeping specified in Section C.2.

c. Emissions Limitation:
15.3 pounds VOC emissions per hour for each day that photochemically reactive materials are not employed.

Applicable Compliance Method:
Compliance shall be determined by the daily values calculated in C.3.g based on the record keeping specified in Section C.3.

d. Emissions Limitation:
40.7 tons of VOC emissions per year from all coatings and cleanup material

Applicable Compliance Method:
Compliance shall be determined by the value recorded in C.4 based on the record keeping as specified in Section C.2 and C.3.

e. Emissions Limitation:
5.1 pound of VOC per gallon coating

Applicable Compliance Method:
Any determination of VOC content, solids contents, or density of coating material shall be based on the coating materials as employed (as applied), including the addition of any thinner or viscosity reducer to the coatings. In accordance with OAC rule 3745-21-04(B)(5), the permittee shall determine the composition of the coatings by formulation data supplied by the manufacturer of the coating materials, or from data determined by an analysis of each coating, as applied, by Reference Method 24 or Method 24A. If, pursuant to section 11.4 of Method 24, 40 CFR Part 60, Appendix A (revised as of July 1, 2001), an owner or operator determines that Method 24 or Method 24A cannot be used for a particular coating or ink, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or ink to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 and/or Method 24A.

F. Miscellaneous Requirements

1. In accordance with the provisions of OAC rule 3745-35-07, the following terms and condition of this permit to install are federally enforceable: A-F, except C.5, C.6, and C.7.