

Synthetic Minor Determination and/or **Netting Determination**

Permit To Install: **03-17180**

A. Source Description

Jay Industries, Inc. - Jay Plastics Div operates numerous plastic coating operations at this facility located in Crestline, Ohio (Richland County). This permit to install involves re-permitting of all the emission units at the facility. It has been determined that previous permitting actions at the facility did not reflect the actual potential to emit associated with individual coating operations. All emission units at the facility are being modified from a permitting standpoint (there has not been any physical modification to the emission units at the facility). As part of the re-permitting the facility has requested synthetic minor limitations on organic compounds (OC) and hazardous air pollutants (HAP) to avoid major source status for Prevention of Significant Deterioration (PSD) and for Maximum Achievable Control Technology (MACT) applicability.

B. Facility Emissions and Attainment Status

The issuance of this proposed permit will establish Jay Industries, Inc. - Jay Plastics Div as a minor stationary source for Prevention of Significant Deterioration (PSD) and Maximum Achievable Control Technology (MACT) applicability by the establishment of synthetic minor limitation on OC and HAPs. The proposed permit will also revised current short-term OC limitations as indicated above. Jay Industries, Inc. - Jay Plastics Div is located in Richland County which is in attainment for all criteria pollutants.

C. Source Emissions

The proposed permit will establish coating usage restrictions which will result in the following synthetic minor limitations:

230.0 tons OC/rolling 12-month period for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined)

The proposed permit will also establish the following HAP limitations:

9.90 tons/rolling 12-month period for any individual HAP from all coating operations (emissions unit R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined)

24.90 tons/rolling 12-month period for any combination of HAPs from all coating operations (emissions unit R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined)

D. Conclusion

The establishment of synthetic minor limitations on OC and HAPs will establish Jay Industries, Inc. - Jay Plastics Div as a minor stationary source for PSD and MACT applicability.



State of Ohio Environmental Protection Agency

**RE: DRAFT PERMIT TO INSTALL
RICHLAND COUNTY**

CERTIFIED MAIL

Street Address:

Mailing Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Lazarus Gov.
Center

Application No: 03-17180

Fac ID: 0370010058

DATE: 2/23/2007

Jay Industries, Inc.-Jay Plastics Div.
Allen Wheeler
150 East Longview Avenue
Mansfield, OH 44903

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43216-1049.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$3600** will be due. Please do not submit any payment now.

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. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Sincerely,

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

CC: USEPA

NWDO

Richland County Regional Planning Commission

RICHLAND COUNTY

PUBLIC NOTICE

**ISSUANCE OF DRAFT PERMIT TO INSTALL 03-17180 FOR AN AIR CONTAMINANT SOURCE FOR
Jay Industries, Inc.-Jay Plastics Div.**

On 2/23/2007 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Jay Industries, Inc.-Jay Plastics Div.**, located at **150 East Longview Avenue, Mansfield, Ohio**.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 03-17180:

Multiple miscellaneous plastic parts coating operations.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

Don Waltermeyer, Ohio EPA, Northwest District Office, 347 North Dunbridge Road, Bowling Green, OH 43402 [(419)352-8461]



**Permit To Install
Terms and Conditions**

**Issue Date: To be entered upon final issuance
Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 03-17180

Application Number: 03-17180
Facility ID: 0370010058
Permit Fee: **To be entered upon final issuance**
Name of Facility: Jay Industries, Inc.-Jay Plastics Div.
Person to Contact: Allen Wheeler
Address: 150 East Longview Avenue
Mansfield, OH 44903

Location of proposed air contaminant source(s) [emissions unit(s)]:
**150 East Longview Avenue
Mansfield, Ohio**

Description of proposed emissions unit(s):
Multiple miscellaneous plastic parts coating operations.

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

Chris Korleski
Director

Jay Industries, Inc.-Jay Plastics Div.
PTI Application: 03-17180
Issued: To be entered upon final issuance
Part I - GENERAL TERMS AND CONDITIONS

Facility ID: 0370010058

A. State and Federally Enforceable Permit-To-Install General Terms and Conditions

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. 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.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written

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reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See B.9 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
 - iv. If this permit is for an emissions unit located at a Title V facility, then each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
- d. The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

2. 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, i.e., upset, 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. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain,

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the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and re-issuance, or modification
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. 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 or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. 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 any permit-to-install. The

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permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

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8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of

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the Ohio EPA. Progress reports shall contain the following:

- i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
- ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit-To-Operate Application

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this permit is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. 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 source(s) covered by this permit.

11. 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.

12. 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.

13. Permit-To-Install

A permit-to-install must be obtained pursuant to OAC Chapter 3745-31 prior to "installation" of "any air contaminant source" as defined in OAC rule 3745-31-01, or "modification", as defined in OAC rule 3745-31-01, of any emissions unit included in

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this permit.

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B. State Only Enforceable Permit-To-Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit 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 of state-only enforceable 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 state-only required 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 (i.e., postmarked) quarterly, 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. 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.

4. Authorization To Install or Modify

If applicable, authorization to install or modify any new or existing emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of

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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.

5. Construction of New Sources(s)

This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. 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 this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit 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.

6. 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.

7. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

8. Construction Compliance Certification

If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) 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.

9. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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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., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

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C. 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

<u>Pollutant</u>	<u>Tons per Year</u>
OC	230.0
Individual Hazardous Air Pollutants (HAPs)	9.90
Combined HAPs	24.90
PE	11.02

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Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

- 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 - (R003) - Full Size Clear Coat - Binks clear coat spray booth with HVLP robotic application (and dry filtration) MODIFICATION of PTI #03-7096 issued on 6/9/93 to include synthetic minor HAP limitations

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>20.53 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

Emissions Unit ID: R003

2. Additional Terms and Conditions

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81
1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

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After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 20.53 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^{12} n [V_i G_i] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed the following rates:

Month	$\frac{\sum_{i=1}^n (V_i G_i)}{2000}$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;
 - b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.
2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:

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- a. the name and identification number of each coating and cleanup material employed;
- b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
- c. the volume, in gallons, of each coating and cleanup material employed;
- d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
- e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
- f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;
 - e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;

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- f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions

Issued: To be entered upon final issuance
of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

1. Compliance with the emission limitations specified in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20.53 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (3.72 gallons per hour) by the maximum OC content of all the coatings (4.98 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.
 - b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC emission limitation above shall be based upon the record keeping requirements specified in section A.III.2 of this permit.
 - c. Emission Limitation: 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for

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any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b if this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$E = \text{PE rate (lbs/hr)}$

$E = \text{maximum coating solids usage rate, in pounds per hour } (1-TE) \times (1-CE)$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be determine in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

Emissions Unit ID: R003

Issued: To be entered upon final issuance

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-07096 issued June 9, 1993.

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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 - (R003) - Full Size Clear Coat - Binks clear coat spray booth with HVLP robotic application MODIFICATION of PTI #03-7096 issued on 6/9/93 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
See B.III.1 through B.III.4	See B.III.1 through B.III.4

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emission unit was evaluated based on the actual materials (adhesive) and the design parameters of each 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 these emission units 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):

Pollutant: Toluene

TLV: 50 ppm

Maximum Hourly Emission Rate (lbs/hr): 1.85

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 66.68

Emissions Unit ID: R003

MAGLC (ug/m3): 8479.4

2. 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 (mold release agent), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
 - b. changes in the compositions 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.).
3. 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) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.
4. The permittee shall collect, record, and retain the following information when it conducts evaluation 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 its 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

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change.**

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R004) - Full Size Base Coat - Binks base coat spray booth with HVLP robotic application MODIFICATION of PTI #03-7096 issued on 6/9/93 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>31.66 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

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Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81

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1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 31.66 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^{12} n [V_i G_i] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

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To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed the following rates:

Month	$\sum_{i=1}^n [(V_i + G_i)] \div 2000$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup

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material employed;

- b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.
2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
- a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
- a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;

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- e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;
 - f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101,

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R102, R103, R105, R018, R109, R110, R111 and R112 combined).

- d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 31.66 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (4.44 gallons per hour) by the maximum OC content of all the coatings (7.13 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC emission limitation above shall be based upon the record keeping requirements

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specified in section A.III.2 of this permit.

- c. Emission Limitation: 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = PE \text{ rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour } (1-TE) \times (1-CE)$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:

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Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be determine in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-07096 issued June 9, 1993.

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B. State Only Enforceable Section

I. 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 - (R004) - Full Size Base Coat - Binks base coat spray booth with HVLP robotic application MODIFICATION of PTI #03-7096 issued on 6/9/93 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R005) - Full Size Primer Coat - JBI Industries primer coating spray booth with HVLP robotic application MODIFICATION of PTI #03-13431 issued on 6/14/00 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>23.21 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>

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OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

2. Additional Terms and Conditions

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81
1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

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After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 23.21 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^n \sum_{M=1}^{12} [V_i G_i] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

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combined, shall not exceed the following rates:

Month	$\frac{\sum_{i=1}^n (V_i G_i)}{2000}$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;
 - b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.

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2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;
 - e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;

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- f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs

Emissions Unit ID: R004

emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 23.21 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (3.48 gallons per hour) by the maximum OC content of all the coatings (6.67 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC emission limitation above shall be based upon the record keeping requirements specified in section A.III.2 of this permit.

- c. Emission Limitation: 9.90 tons per rolling, 12-month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for

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any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = PE \text{ rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

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If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-13431 issued June 14, 2000.

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B. State Only Enforceable Section

I. 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 - (R005) - Full Size Primer Coat - JBI Industries primer coating spray booth with HVLP robotic application MODIFICATION of PTI #03-13431 issued on 6/14/00 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
See B.III.1 through B.III.4	See B.III.1 through B.III.4

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emission unit was evaluated based on the actual materials (adhesive) and the design parameters of each 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 these emission units 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):

Pollutant: Toluene

TLV: 50 ppm

Maximum Hourly Emission Rate (lbs/hr): 0.95

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Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 482.8

MAGLC (ug/m3): 8479.4

2. 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 (mold release agent), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
 - b. changes in the compositions 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.).
3. 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) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.
4. The permittee shall collect, record, and retain the following information when it conducts evaluation 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.)

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- b. documentation of its 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.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R006) - E-Brite No. 2 Base Coat - Binks base coat spray booth with HVLP robotic application MODIFICATION of PTI #03-13366 issued on 4/12/00 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>9.79 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

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Emissions Unit ID: R006

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81

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1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 9.79 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^n \sum_{M=1}^{12} [V_i G_i] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

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combined, shall not exceed the following rates:

Month	$\frac{\sum_{i=1}^n (V_i G_i)}{2000}$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;
 - b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.

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2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;
 - e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;

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- f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions

Emissions Unit ID: R006

of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 9.79 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (1.80 gallons per hour) by the maximum OC content of all the coatings (5.44 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC emission limitation above shall be based upon the record keeping requirements specified in section A.III.2 of this permit.

- c. Emission Limitation: 9.90 tons per rolling, 12-month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP

Issued: To be entered upon final issuance

emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be determine in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

Jay Industries, Inc.-Jay Plastics Div.

DTI Application: 03-17180

Facility ID: 0370010058

Emissions Unit ID: R006

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-13366 issued April 12, 2000.

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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 - (R006) - E-Brite No. 2 Base Coat - Binks base coat spray booth with HVLP robotic application MODIFICATION of PTI #03-13366 issued on 4/12/00 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R007) - E-Brite No. 1 Base Coat - Binks base coat spray booth with HVLP robotic application MODIFICATION of PTI #03-10439 issued on 7/29/98 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>8.48 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

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Emissions Unit ID: R007

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81

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1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 8.48 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^n \sum_{M=1}^{12} [V_i G_i] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

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combined, shall not exceed the following rates:

Month	$\frac{\sum_{i=1}^n (V_i G_i)}{2000}$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;
 - b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.

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2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup

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- material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;
- e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;
 - f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs

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emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 8.48 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (1.56 gallons per hour) by the maximum OC content of all the coatings (5.44 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC

Emissions Unit ID: R007

emission limitation above shall be based upon the record keeping requirements specified in section A.III.2 of this permit.

- c. Emission Limitation: 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

Emissions Unit ID: R007

Issued: To be entered upon final issuance

If required, compliance shall be determine in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-10439 issued July 29, 1998.

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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 - (R007) - E-Brite No. 1 Base Coat - Binks base coat spray booth with HVLP robotic application MODIFICATION of PTI #03-10439 issued on 7/29/98 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. 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 - (R008) - J-Car Base Coat - TBI Industries Base coat spray booth with HVLP robotic application MODIFICATION of PTI #03-13892 issued on 1/21/03 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>40.31 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81

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1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 40.31 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^{12} n [V_i G_i] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed the following rates:

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Month	$\sum_{i=1}^{12} [(V_i + G_i)] \div 2000$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;
 - b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.

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2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;

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- e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;
 - f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions

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units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 40.31 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (6.48 gallons per hour) by the maximum OC content of all the coatings (6.22 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC emission limitation above shall be based upon the record keeping requirements

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specified in section A.III.2 of this permit.

- c. Emission Limitation: 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be determine in accordance with OAC rule

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3745-17-03(B)(1).

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-13892 issued January 21, 2003

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B. State Only Enforceable Section

I. 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 - (R008) - J-Car Base Coat - TBI Industries Base coat spray booth with HVLP robotic application MODIFICATION of PTI #03-13892 issued on 1/21/03 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
See B.III.1 through B.III.4	See B.III.1 through B.III.4

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emission unit was evaluated based on the actual materials (adhesive) and the design parameters of each 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 these emission units 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):

Pollutant: Xylene

TLV: 100 ppm

Maximum Hourly Emission Rate (lbs/hr): 0.29

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 128.40

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MAGLC (ug/m3): 10338.0

2. 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 (mold release agent), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
 - b. changes in the compositions 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.).
3. 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) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.
4. The permittee shall collect, record, and retain the following information when it conducts evaluation 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 its 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

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change.**

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R009) - J-Car Clear Coat - Custom clear coat spray booth with HVLP robotic application MODIFICATION of PTI #03-13892 issued on 1/21/03 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>13.25 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

Jay Industries, Inc.-Jay Plastics Div.
DTI Application: 02 17180

Facility ID: 0370010058

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Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81

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1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 13.25 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^{12} n \left[\sum_{i=1}^n (V_i G_i) \right] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

To ensure enforceability during the first 12 calendar months of operation under the

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provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed the following rates:

Month	$\frac{\sum_{i=1}^n (V_i + G_i)}{2000}$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;
 - b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.

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2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;

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- e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;
 - f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions

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units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 13.25 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (2.40 gallons per hour) by the maximum OC content of all the coatings (5.52 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC emission limitation above shall be based upon the record keeping requirements specified in section A.III.2 of this permit.

- c. Emission Limitation: 9.90 tons per rolling, 12-month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007,

Emissions Unit ID: R009

R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be determine in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in

Emissions Unit ID: R009

Issued: To be entered upon final issuance

permit to install # 03-13892 issued January 21, 2003

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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 - (R009) - J-Car Clear Coat - Custom clear coat spray booth with HVLP robotic application MODIFICATION of PTI #03-13892 issued on 1/21/03 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
See B.III.1 through B.III.4	See B.III.1 through B.III.4

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emission unit was evaluated based on the actual materials (adhesive) and the design parameters of each 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 these emission units 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):

Pollutant: Toluene

TLV: 50 ppm

Maximum Hourly Emission Rate (lbs/hr): 1.19

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 659.50

Emissions Unit ID: R009

MAGLC (ug/m3): 8479.4

2. 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 (mold release agent), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
 - b. changes in the compositions 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.).
3. 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) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.
4. The permittee shall collect, record, and retain the following information when it conducts evaluation 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 its 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

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change.**

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R010) - E-Brite No. 3 Base Coat - Custom base coat spray booth with HVLP robotic application MODIFICATION of PTI #03-13907 issued on 1/9/03 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>10.58 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

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Facility ID: 0370010058

Emissions Unit ID: R010

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81

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1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 10.58 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^{12} n \left[\sum_{i=1}^n (V_i G_i) \right] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

To ensure enforceability during the first 12 calendar months of operation under the

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provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed the following rates:

Month	$\frac{\sum_{i=1}^n (V_i + G_i)}{2000}$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;

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- b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.
2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;

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- e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;
 - f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

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- d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 10.58 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (2.28 gallons per hour) by the maximum OC content of all the coatings (4.64 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC emission limitation above shall be based upon the record keeping requirements specified in section A.III.2 of this permit.

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- c. Emission Limitation: 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a

Jay Industries, Inc.-Jay Plastics Div.

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Facility ID: 0370010058

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six-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-13907 issued January 9, 2003

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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 - (R010) - E-Brite No. 3 Base Coat - Custom base coat spray booth with HVLP robotic application MODIFICATION of PTI #03-13907 issued on 1/9/03 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R011) - E-Brite No. 4 Base Coat - Custom base coat spray booth with HVLP robotic application MODIFICATION of PTI #03-16049 issued on 4/6/04 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>8.35 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

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DTI Application: 02 17180

Facility ID: 0370010058

Emissions Unit ID: R011

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81

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1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 8.35 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^{12} n [V_i G_i] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

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To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed the following rates:

Month	$\sum_{i=1}^n (V_i + G_i) \div 2000$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup

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material employed;

- b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.
2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
- a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
- a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;

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- e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;
 - f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101,

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R102, R103, R105, R018, R109, R110, R111 and R112 combined).

- d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 8.35 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (1.80 gallons per hour) by the maximum OC content of all the coatings (4.64 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC emission limitation above shall be based upon the record keeping requirements

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specified in section A.III.2 of this permit.

- c. Emission Limitation: 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = PE \text{ rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour } (1-TE) \times (1-CE)$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:

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Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be determine in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-16049 issued April 6, 2004

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B. State Only Enforceable Section

I. 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 - (R011) - E-Brite No. 4 Base Coat - Custom base coat spray booth with HVLP robotic application MODIFICATION of PTI #03-16049 issued on 4/6/04 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R012) - E-Brite No. 5 base Coat - Custom base coat spray booth with HVLP robotic application MODIFICATION of PTI #03-17116 issued on 5/18/06 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>11.12 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

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- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81

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1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 11.12 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^{12} n \left[\sum_{i=1}^n (V_i G_i) \right] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

To ensure enforceability during the first 12 calendar months of operation under the

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provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed the following rates:

Month	$\frac{\sum_{i=1}^n (V_i + G_i)}{2000}$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;

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- b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.
2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;

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- e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;
 - f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

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- d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 11.12 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (3.00 gallons per hour) by the maximum OC content of all the coatings (3.71 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC emission limitation above shall be based upon the record keeping requirements specified in section A.III.2 of this permit.

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- c. Emission Limitation: 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour } (1-TE) \times (1-CE)$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be determine in accordance with OAC rule 3745-17-03(B)(1).

Jay Industries, Inc.-Jay Plastics Div.
DTI Application: 03-17180

Facility ID: 0370010058

Emissions Unit ID: R012

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-17116 issued May 18, 2006

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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 - (R012) - E-Brite No. 5 base Coat - Custom base coat spray booth with HVLP robotic application MODIFICATION of PTI #03-17116 issued on 5/18/06 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R101) - Upstairs Base - Devilbiss TurboClean base coat booth with HVLP robotic application MODIFICATION of PTI #03-13046 issued on 11/3/99 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>4.85 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

Issued: To be entered upon final issuance

Emissions Unit ID: R019

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81

Emissions Unit ID: R019

1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 4.85 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^{12} n [V_i G_i] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed the following rates:

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Month	$\sum_{i=1}^{12} (V_i + G_i) \div 2000$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;
 - b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.

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2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;
 - e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;

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- f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions

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units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 4.85 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (0.72 gallons per hour) by the maximum OC content of all the coatings (6.73 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC emission limitation above shall be based upon the record keeping requirements

Emissions Unit ID: R019

specified in section A.III.2 of this permit.

- c. Emission Limitation: 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be determine in accordance with OAC rule

Emissions Unit ID: R019

Issued: To be entered upon final issuance
3745-17-03(B)(1).

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-13046 issued November 3, 1999.

Emissions Unit ID: R019

B. State Only Enforceable Section

I. 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 - (R101) - Upstairs Base - Devilbiss Turboclean base coat booth with HVLP robotic application MODIFICATION of PTI #03-13046 issued on 11/3/99 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
See B.III.1 through B.III.4	See B.III.1 through B.III.4

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emission unit was evaluated based on the actual materials (adhesive) and the design parameters of each 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 these emission units 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):

Pollutant: Ethyl Benzene

TLV: 100 ppm

Maximum Hourly Emission Rate (lbs/hr): 0.63

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 13.60

MAGLC (ug/m3): 10338.0

Pollutant: Toluene

TLV: 50 ppm

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Issued: To be entered upon final issuance

Maximum Hourly Emission Rate (lbs/hr): 0.63

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 13.60

MAGLC (ug/m3): 8479.4

2. 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 (mold release agent), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
 - b. changes in the compositions 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.).
3. 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) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.
4. The permittee shall collect, record, and retain the following information when it conducts evaluation 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

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(pollutants emitted, change in stack/exhaust parameters, etc.)

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

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- 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.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R103) - Stand in Booths - Breitlinger spray booths with HVLP robotic application MODIFICATION of PTI #03-13046 issued on 11/3/99 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>4.82 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

Issued: To be entered upon final issuance

Emissions Unit ID: R103

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81

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1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c The hourly emission limitation of 4.82 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

- 1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^n \sum_{M=1}^{12} [V_i G_i] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

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combined, shall not exceed the following rates:

Month	$\frac{\sum_{i=1}^n (V_i G_i)}{2000}$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;
 - b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.

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2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup

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material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;

- e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;
 - f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs

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emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 4.82 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (0.72 gallons per hour) by the maximum OC content of all the coatings (6.69 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC

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emission limitation above shall be based upon the record keeping requirements specified in section A.III.2 of this permit.

- c. Emission Limitation: 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

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If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-13046 issued November 3, 1999.

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B. State Only Enforceable Section

I. 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 - (R103) - Stand in Booths - Breitlinger spray booths with HVLP robotic application MODIFICATION of PTI #03-13046 issued on 11/3/99 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
See B.III.1 through B.III.4	See B.III.1 through B.III.4

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emission unit was evaluated based on the actual materials (adhesive) and the design parameters of each 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 these emission units 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):

Pollutant: Toluene

TLV: 50 ppm

Maximum Hourly Emission Rate (lbs/hr): 0.72

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 17.96

Emissions Unit ID: R103

MAGLC (ug/m3): 8479.4

2. 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 (mold release agent), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
 - b. changes in the compositions 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.).
3. 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) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.
4. The permittee shall collect, record, and retain the following information when it conducts evaluation 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 its 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

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change.**

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R105) - Downstairs Primer - Devilbiss Turboclean primer spray booth with HVLP robotic application MODIFICATION of PTI #03-13046 issued on 11/3/99 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>4.80 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

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- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81

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1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 4.80 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^{12} n [V_i G_i] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

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To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed the following rates:

Month	$\sum_{i=1}^n [\sum_{j=1}^m (V_j G_{ij})] \div 2000$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;
 - b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.

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2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup

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- material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;
 - e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;
 - f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
- a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions

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units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

- d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 4.80 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (0.72 gallons per hour) by the maximum OC content of all the coatings (6.67 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC

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emission limitation above shall be based upon the record keeping requirements specified in section A.III.2 of this permit.

- c. Emission Limitation: 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

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If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-13046 issued November 3, 1999.

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B. State Only Enforceable Section

I. 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 - (R105) - Downstairs Primer - Devilbiss Turboclean primer spray booth with HVLP robotic application MODIFICATION of PTI #03-13046 issued on 11/3/99 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R108) - Upstairs Clear - Devilbiss Turboclean clear coat spray booth with HVLP robotic application MODIFICATION of PTI #03-13046 issued on 11/3/99 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>3.97 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

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- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81

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1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 3.97 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^{12} n [V_i G_i] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

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To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed the following rates:

Month	$\sum_{i=1}^n [V_i + G_i] \div 2000$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;
 - b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.

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2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup

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- material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;
 - e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;
 - f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
- a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions

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units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

- d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 3.97 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (0.60 gallons per hour) by the maximum OC content of all the coatings (6.61 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC

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emission limitation above shall be based upon the record keeping requirements specified in section A.III.2 of this permit.

- c. Emission Limitation: 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

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f. Emission Limitation:

Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be determine in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-13046 issued November 3, 1999.

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B. State Only Enforceable Section

I. 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 - (R108) - Upstairs Clear - Devilbiss Turboclean clear coat spray booth with HVLV robotic application MODIFICATION of PTI #03-13046 issued on 11/3/99 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
See B.III.1 through B.III.4	See B.III.1 through B.III.4

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emission unit was evaluated based on the actual materials (adhesive) and the design parameters of each 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 these emission units 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):

Pollutant: Methanol

TLV: 200 ppm

Maximum Hourly Emission Rate (lbs/hr): 0.55

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 30.16

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MAGLC (ug/m3): 6240.0

Pollutant: Toluene

TLV: 50 ppm

Emissions Unit ID: R108

Maximum Hourly Emission Rate (lbs/hr): 0.27

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 14.80

MAGLC (ug/m3): 8479.4

2. 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 (mold release agent), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
 - b. changes in the compositions 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.).
3. 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) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.
4. The permittee shall collect, record, and retain the following information when it conducts evaluation 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 its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

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- 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.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R109) - Stanley Booth - Breitlinger Spray booth with HVLP robotic application MODIFICATION of PTI #03-13046 issued on 11/3/99 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>3.26 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

2. Additional Terms and Conditions

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81
1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

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After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 3.26 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^n \sum_{M=1}^{12} [V_i G_i] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

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combined, shall not exceed the following rates:

Month	$\frac{\sum_{i=1}^n (V_i G_i)}{2000}$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;
 - b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.

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2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;
 - e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;

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- f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs

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emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

1. Compliance with the emission limitations specified in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 3.26 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (0.48 gallons per hour) by the maximum OC content of all the coatings (6.79 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.
 - b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC emission limitation above shall be based upon the record keeping requirements specified in section A.III.2 of this permit.
 - c. Emission Limitation: 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for

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any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

Jay Industries, Inc.-Jay Plastics Div.

DTI Application: 03-17180

Facility ID: 0370010058

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If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-13046 issued November 3, 1999.

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B. State Only Enforceable Section

I. 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 - (R109) - Stanley Booth - Breitlinger Spray booth with HVLP robotic application MODIFICATION of PTI #03-13046 issued on 11/3/99 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
See B.III.1 through B.III.4	See B.III.1 through B.III.4

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emission unit was evaluated based on the actual materials (adhesive) and the design parameters of each 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 these emission units 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):

Pollutant: Toluene

TLV: 50 ppm

Maximum Hourly Emission Rate (lbs/hr): 0.53

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 13.22

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MAGLC (ug/m3): 8479.4

2. 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 (mold release agent), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
 - b. changes in the compositions 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.).
3. 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) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.
4. The permittee shall collect, record, and retain the following information when it conducts evaluation 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.)

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- b. documentation of its 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.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R110) - Stanley Base - Devilbiss Turboclean spray booth with HVLP robotic application MODIFICATION of PTI #03-13046 issued on 11/3/99 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>2.96 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

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Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81

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1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 2.96 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^{12} n [V_i G_i] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed the following rates:

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Month	$\sum_{i=1}^n [V_i + G_i] \div 2000$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;
 - b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.

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2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;
 - e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;

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- f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions

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units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 2.96 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (0.60 gallons per hour) by the maximum OC content of all the coatings (4.93 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC emission limitation above shall be based upon the record keeping requirements specified in section A.III.2 of this permit.

- c. Emission Limitation: 9.90 tons per rolling, 12-month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007,

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R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be determine in accordance with OAC rule

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3745-17-03(B)(1).

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-13046 issued November 3, 1999.

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B. State Only Enforceable Section

I. 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 - (R110) - Stanley Base - Devilbiss Turboclean spray booth with HVLP robotic application MODIFICATION of PTI #03-13046 issued on 11/3/99 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
See B.III.1 through B.III.4	See B.III.1 through B.III.4

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emission unit was evaluated based on the actual materials (adhesive) and the design parameters of each 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 these emission units 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):

Pollutant: Cyclohexane

TLV: 100 ppm

Maximum Hourly Emission Rate (lbs/hr): 0.34

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 6.25

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MAGLC (ug/m3): 8195.0

Pollutant: Toluene

TLV: 50 ppm

Issued: To be entered upon final issuance

Maximum Hourly Emission Rate (lbs/hr): 0.53

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 4.23

MAGLC (ug/m3): 8479.4

2. 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 (mold release agent), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
 - b. changes in the compositions 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.).
3. 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) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.
4. The permittee shall collect, record, and retain the following information when it conducts evaluation 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

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pollutants emitted, change in stack/exhaust parameters, etc.)

- b. documentation of its 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.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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 - (R111) - Stanley Booth - Breitlinger spray booth with HVLP robotic application MODIFICATION of PTI #03-13046 issued on 11/3/99 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>4.02 lbs organic compounds (OC)/hr from coating operations</p> <p>The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon.</p> <p>See A.I.2.a and A.I.2.e</p>
OAC rule 3745-31-05(C)	<p>230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1)</p> <p>9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)</p>
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

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Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:
- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
 - ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81

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1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 4.02 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^n \sum_{M=1}^{12} [V_i G_i] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

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combined, shall not exceed the following rates:

Month	$\frac{\sum_{i=1}^n (V_i G_i)}{2000}$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;
 - b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.

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2. The permittee shall collect and record the following information each month for all coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
 - c. the volume, in gallons, of each coating and cleanup material employed;
 - d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
 - e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
 - f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup

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- material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;
- e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;
 - f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs

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emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 4.02 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (0.60 gallons per hour) by the maximum OC content of all the coatings (6.70 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC

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emission limitation above shall be based upon the record keeping requirements specified in section A.III.2 of this permit.

- c. Emission Limitation: 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour (1-TE) x (1-CE)}$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

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If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

1. The terms and conditions for in this permit supercede the terms and conditions for in permit to install # 03-13046 issued November 3, 1999.

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B. State Only Enforceable Section

I. 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 - (R111) - Stanley Booth - Breitlinger spray booth with HVLP robotic application MODIFICATION of PTI #03-13046 issued on 11/3/99 to include synthetic minor HAP limits for purposes of avoiding MACT applicability

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. 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 - (R112) - Downstairs Base Coat, Clear Coat and Oven (Formerly R106, R107 and P105)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	10.27 lbs organic compounds (OC)/hr from coating operations The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon. See A.I.2.a and A.I.2.e
OAC rule 3745-31-05(C)	230.0 tons of OC per rolling, 12-month period from coating and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined (See A.I.2.b.i and A.II.1) 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] (See A.I.2.b.ii.)
OAC rule 3745-17-11(B)	0.551 lb particulate emission (PE)/hr
OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule
OAC rule 3745-21-07(G)(2)	See A.II.2

2. Additional Terms and Conditions

- 2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-17-11(B), and OAC rule 3745-17-07(A).

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2.b This permit establishes the following federally enforceable emission limitations for purposes of avoiding the applicability of Maximum Achievable Control Technology (MACT) regulations and establish the facility as a minor source for attainment New Source Review:

- i. 230.0 tons of OC per rolling, 12-month period from the coating and cleanup operations [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined] based on a coating/cleanup usage restriction (See A.II.1). For purposes of federal enforceability an emission limitation on OC effectively limits emissions of volatile organic compounds (VOC).
- ii. Annual HAP emissions from emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed 9.90 tons per rolling, 12-month period for any individual HAP or 24.90 tons per rolling, 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	1.00	2.49
1-2	1.81	4.53
1-3	2.62	6.57
1-4	3.43	8.61
1-5	4.24	10.65
1-6	5.05	12.69
1-7	5.86	14.73
1-8	6.67	16.77
1-9	7.48	18.81
1-10	8.29	20.85
1-11	9.10	22.89
1-12	9.90	24.90

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After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

Hazardous Air Pollutant (HAP) means any air pollutant listed in or pursuant to Section 112 (b) of the Clean Air Act.

- 2.c** The hourly emission limitation of 10.27 lbs OC/hr from coating operations represents the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, is limited by the following equation:

$$\sum_{i=1}^{12} n \left[\sum_{i=1}^n (V_i G_i) \right] \div 2000 \text{ lbs/ton} \leq 230.0$$

where,

M = the increment of the rolling 12-month period;

V_i = OC content in pounds per gallon of each coating/cleanup employed;

G_i = Gallons used of each coating and cleanup material for the rolling 12 month period

n = total number of unique coatings and cleanup materials employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating and cleanup material employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined, shall not exceed the following rates:

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Jay Industries, Inc.-Jay Plastics Div.

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Month	$\frac{\sum_{i=1}^n (V_i + G_i)}{2000}$ is less than or equal to
1	23.0
1-2	41.82
1-3	60.64
1-4	79.46
1-5	98.28
1-6	117.10
1-7	135.92
1-8	154.74
1-9	173.56
1-10	192.38
1-11	211.20
1-12	230.0

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount coating and cleanup material shall be based upon a rolling, 12-month summation.

2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month coating and cleanup material employed in this emissions unit:
 - a. the name and company identification number for each coating and cleanup material employed;
 - b. documentation of whether or not each coating and cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01.
2. The permittee shall collect and record the following information each month for all

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coatings and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:

- a. the name and identification number of each coating and cleanup material employed;
- b. the OC content of each coating and cleanup material employed, in pounds per gallon, as applied;
- c. the volume, in gallons, of each coating and cleanup material employed;
- d. the OC emission rate for each coating and cleanup material employed (A.III.2.b x A.III.2.c), in pounds.
- e. for the first 12 months of operation under the provisions of this permit, the cumulative monthly OC emission rate for all coatings and cleanup materials employed (the summation of A.III.2.d for all coatings and cleanup materials), in tons;
- f. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month OC emissions, for all coatings and cleanup materials, in tons.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

3. The permittee shall collect and record the following HAP information each month for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined:
 - a. the name and identification number of each coating and cleanup material employed;
 - b. the amount of each individual HAP in each coating and cleanup material, in lbs/gallon, as applied;
 - c. the number of gallons of each coating and cleanup material employed;
 - d. the emission rate for each individual HAP from each coating and cleanup material employed (A.III.3.b x A.III.3.c) for each individual HAP, in lbs;

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- e. the total emission rate for each individual HAP from all the coatings and cleanup materials employed (for each individual HAP, the summation of A.III.3.d for all coatings and cleanup materials), in lbs;
 - f. the total HAP emission rate for all HAPs combined from all the coatings and cleanup materials employed (summation of A.III.3.e for all HAPs for all coatings and cleanup materials), in lbs;
 - g. for the first 12 months of operation under the provisions of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons; and
 - h. after the first 12 months of operation under the provisions of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative quantity of coating and cleanup material limitations specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - b. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month quantity of coatings and cleanup materials employed as specified in section A.II.1 (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - c. for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.I.2.b (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined).
 - d. after the first 12 months of operation under the provisions of this permit, all exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.90 tons and 24.90 tons, respectively (for emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101,

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R102, R103, R105, R018, R109, R110, R111 and R112 combined).

These reports shall be submitted in accordance with the general terms and conditions of this permit.

2. The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any monthly record showing the use of any cleanup material which exceeds an OC content of 7.34 lbs OC/gallon. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days following the end of the calendar month.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the dry filtration system was 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 (the appropriate Ohio EPA District Office or local air agency) within 30 days after the event occurs.

V. Testing Requirements

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

- a. Emission Limitation: 10.27 lbs OC/hr, from coatings operations

Applicable Compliance Method: The hourly allowable OC emission limitation above represents the potential to emit for this emission unit and was established by multiplying the maximum hourly coatings usage rate (1.44 gallons per hour) by the maximum OC content of all the coatings (7.13 pounds per gallon).

If required, the permittee shall demonstrate compliance with the hourly allowable OC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation: 230.0 tons of OC per rolling, 12-month period, from coating and cleanup materials employed in emissions units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined.

Applicable Compliance Method: Compliance with the annual allowable OC emission limitation above shall be based upon the record keeping requirements specified in section A.III.2 of this permit.

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- c. Emission Limitation: 9.90 tons per rolling, 12- month period for any individual Hazardous Air Pollutant (HAP) and 24.90 tons per rolling, 12-month period for any combination of HAPs [for emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and R112 combined]

Applicable Compliance Method: Compliance with the annual allowable HAP emission limitations above shall be based upon the record keeping requirements specified in section A.III.3 of this permit.

- d. Emission Limitation: The OC content of any cleanup material employed in emission units R003, R004, R005, R006, R007, R008, R009, R010, R011, R012, R101, R102, R103, R105, R018, R109, R110, R111 and/or R112 shall not exceed 7.34 lbs OC/gallon

Applicable Compliance Method: Compliance with the OC content limitation above shall be based upon the record keeping requirements specified in section A.III.2.b of this permit.

- e. Emission Limitation:
0.551 pound PE per hour (per individual coating operation)

Applicable Compliance Method:

To determine the actual worst case PE rate (E), the following equation shall be used for each individual coating operations:

$$E = \text{PE rate (lbs/hr)}$$

$$E = \text{maximum coating solids usage rate, in pounds per hour } (1-TE) \times (1-CE)$$

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment (established at > 98%)

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

- f. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be determine in accordance with OAC rule 3745-17-03(B)(1).

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VI. Miscellaneous Requirements

None.

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B. State Only Enforceable Section

I. 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 - (R112) - Downstairs Base Coat, Clear Coat and Oven (Formerly R106, R107 and P105)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None