



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL
SHELBY COUNTY**

CERTIFIED MAIL

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 05-13345

Fac ID: 0575010106

DATE: 11/9/2004

American Trim L.L.C.
Kimberly Ness
1501 W Michigan Ave
Sidney, OH 45365

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

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

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

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

Sincerely,

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

cc: USEPA

SWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 11/9/2004
Effective Date: 11/9/2004**

FINAL PERMIT TO INSTALL 05-13345

Application Number: 05-13345
Facility ID: 0575010106
Permit Fee: **\$4000**
Name of Facility: American Trim L.L.C.
Person to Contact: Kimberly Ness
Address: 1501 W Michigan Ave
Sidney, OH 45365

Location of proposed air contaminant source(s) [emissions unit(s)]:

**1501 W Michigan Ave
Sidney, Ohio**

Description of proposed emissions unit(s):

Eight aluminum stamping presses, nine coating/printing lines and associated screen washers.

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

Director

Part I - GENERAL TERMS AND CONDITIONS

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 reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous

calendar quarters. 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 to the appropriate Ohio EPA District Office or local air agency every six months, i.e., 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. 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.

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, 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 reissuance, or modification, or for denial of a permit renewal application.
- 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, reopened, 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, reopening 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 this Permit To Install.

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 of 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, the State, and citizens 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 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 To Install 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.

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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 to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping 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 quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. 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. Termination of Permit To Install

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete

within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

5. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

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

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

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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)**

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

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>
VOC	47.37 + 0.06 (oven)
NOx	1.84 (oven)
CO	0.99 (oven)
SO2	0.20 (oven)
PM	0.09 (oven)

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Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

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

Provided the facility meets the definition of an affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart Mmmm (MACT Mmmm), the emissions units subject to MACT Mmmm shall comply with the requirements of MACT Mmmm by the compliance date of January 2, 2007. In addition, the facility would be subject to the applicable portions of the MACT General Provisions (Subpart A) and any other subparts referenced within the terms of Subparts Mmmm and A. Subparts Mmmm and A are reproduced in their entirety within the facility-wide portion of the permit to install for emission unit K033 (PTI 05-06273).

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

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
K005 - Coating/Printing Press C-5	OAC rule 3745-31-05(A)	40 CFR Part 63, Subpart MMMM
	OAC rule 3745-21-09(U)(2)(e)(iii)	
	OAC rule 3745-31-05(C)	
	OAC rule 3745-17-11(A)(2)	

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PTI A
Issued: 11/9/2004

Emissions Unit ID: **K005**

Applicable Emissions
Limitations/Control
Measures

Volatile Organic Compound (VOC) content of coatings shall not exceed 5.35 pounds per gallon.

Coating usage in this emissions unit shall not exceed ten gallons per day

See A.2.b below.

VOC emissions shall not exceed 14.87 tons per rolling 12-month period.

Combined emissions of VOC from emission units K005 through K009, inclusive, shall not exceed 14.87 tons per rolling 12-month period.

See A.2.c below.

Particulate emissions (PE) from this emissions unit shall not exceed 0.551 lb PE/hr

See A.2.a below.

See Part II.A of this permit.

2. Additional Terms and Conditions

- 2. a** The Particulate Emission limitations are derived from Table I, OAC rule 3745-17-11. Figure II was determined to be not applicable per OAC rule 3745-17-11(A)(2)(a)(i) because the uncontrolled mass rate of emissions could not be determined.
- 2. b** The exemption in OAC rule 3745-21-09(U)(2)(e)(iii) pertains only to emission units that never exceed 10 gallons of coating per day. Should the usage of coatings in emission unit K049 ever exceed 10 gallons on any one day, the requirements of OAC rule 3745-21-09(U)(1) shall apply to this emission unit immediately.
- 2. c** Compliance with the 14.87 TPY limit for this emission unit shall be assumed so long as the permittee demonstrates continuous compliance with the combined limit of 14.87 tons per rolling 12-month period for emission units K005 through K009, inclusive.

II. Operational Restrictions

- The cure oven associated with this emission unit shall be electrically powered.
- Combined emissions of VOC from emission units K005 through K009, inclusive, shall not exceed 14.87 tons per rolling 12-month period, calculated according to the following formula:

$$14.87 \text{ tons VOC} \geq \sum_{n=1}^i \frac{(P_i)(\text{VOC}_i)[1 - (\text{capture} * \text{DRE})]}{2000 \text{ lbs/ton}} - (R_p)(P_o)(\text{VOC}_o)$$

where:

- P_i = usage of coating i or cleanup/restoration material i in gallons
 VOC_i = volatile Organic compound content of coating i or cleanup/restoration material i in pounds VOC per gallon.
 capture = the capture efficiency, assumed to be 0%
 DRE = destruction removal efficiency of any control device, 0% without controls
 R_p = ratio of solvent used on Emission units K005 through K009 to (total solvent used on all Emission units - the amount of solvent used on Emission unit K045)
 P_o = total gallons of recovered solvents less the gallons of solvent recovered from Emission unit K045, for the subject time period
 VOC_o = VOC content of recovered solvents in pounds of VOC per gallon

- As of the applicable compliance date from 40 CFR Part 63, Subpart M, the permittee shall employ all applicable operating limits and work practice standards detailed in §§63.3892 and 63.3893 of that subpart, provided the facility meets the definitions of a subject affected source as

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defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart MMMM.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following coating-related information for emissions unit K005:
 - a. The permittee shall collect and record the following information each day the emission unit is in operation:
 - i. the name or identification number of each coating, as applied;
 - ii. the VOC content of each coating, minus water and exempt solvents, as applied;
 - iii. the volume in gallons of each coating employed;
 - iv. the total VOC emissions from coatings, i.e. the sum of (b x c) for all coatings employed for the day; and
 - v. the total volume of all coatings employed for the day, in gallons.
 - b. The permittee shall calculate and record each month for emission unit K005 the monthly VOC emissions from coating usage, i.e. the sum of VOC emissions calculated in III.1.a.iv, above, for all operational days in the month;
2. The permittee shall collect and record the following cleanup/restoration solvent information each month for emissions units K005 through K009, inclusive, combined:
 - a. the name or identification number of each cleanup/restoration solvent, as applied;
 - b. the VOC content of each cleanup/restoration solvent material employed;
 - c. the volume in gallons of each cleanup/restoration solvent material employed;
 - d. the monthly VOC emissions from cleanup/restoration solvent usage, i.e. the total of (b x c) for each cleanup/restoration solvent employed;
3. If a credit for recovered cleanup/pan solvent material is used to demonstrate compliance and/or used in the calculation of rolling, 12 month emission calculations, the permittee shall maintain the following records for the recovered cleanup/pan solvent material, and the recovery drum or tank serving this emissions unit:

- a. the date recovered materials were first added to the recovery tank/drum and the date the materials from the recovery drum or tank were shipped off site;
 - b. the total amount of material collected and shipped for recycle/recovery and/or disposal at an outside facility, in gallons, on the day it is shipped;
 - c. a record of the VOC content of each cleanup/pan solvent material that is collected for recovery, in pounds per gallon, or a record of the testing results of the VOC content of the material shipped;
 - d. the mass (lbs) of VOC to be credited to the rolling, 12 month emissions summation, from each shipment of recovered material, calculated using the lowest VOC content of any cleanup/pan solvent material recovered, unless a higher VOC content is established from the testing results of the recovered material shipped (i.e., b x c), and the date of each such shipment or record of credit; and
 - e. the record of the total amount of VOC emissions (lbs or tons) that may be applied as a credit, for the materials shipped for recycle/recovery and/or disposal at an outside facility, summed from the records of the VOC emission credits (d), for each shipment recorded during the rolling 12 month period.
4. The permittee shall keep monthly records for emissions units K005 through K009, inclusive, combined of the rolling, 12-month summation of VOC emissions from the coatings, and cleanup/restoration solvent materials employed.
 5. As of the applicable compliance date from 40 CFR Part 63, Subpart M, the permittee shall collect and keep all applicable records of the data and information detailed in §63.3930 of that subpart in the manner detailed in §63.3931 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Southwest District Office) in writing of any daily record showing the use of coating material(s)
 - a. in excess of the ten gallon per day usage limitation for emission unit K005, or
 - b. having a VOC content greater than 5.35 lbs VOC per gallon.

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Emissions Unit ID: **K005**

These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Southwest District Office) within 30 days following the exceedance.

2. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12 month VOC emission limitation for emission units K005 through K009, inclusive, from coatings and cleanup/restoration materials of 14.87 tons.

These quarterly deviation (excursion) reports shall be submitted in accordance with Part I - General Terms and Conditions A.1.c.

3. As of the applicable compliance dates from 40 CFR Part 63, Subpart M MMM, the permittee shall submit all applicable reports and notifications detailed in §§63.3910 and 63.3920 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M MMM.

V. Testing Requirements

1. Emission Limitation:
Volatile Organic Compound (VOC) content of coatings shall not exceed 5.35 pounds per gallon.

Applicable Compliance Method:

Compliance with this limitation shall be demonstrated through the record keeping requirements in Part III.1.a.ii. of this permit.

2. Emission Limitation:
The permittee is subject to the HAP content limitations detailed in 40 CFR Part 63, Subpart M MMM §63.3890 as of the applicable compliance date detailed in that subpart.

Applicable Compliance Method:

As of the applicable compliance date from 40 CFR Part 63, Subpart M MMM, the permittee shall demonstrate compliance using the applicable methods detailed in §63.3940 through §63.3968 inclusive, of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M MMM.

3. Emission Limitation
VOC emissions shall not exceed 14.87 tons per rolling 12-month period.

Applicable Compliance Method:

Compliance with this unit's individual VOC emission limitation shall be demonstrated through compliance with the combined VOC emission limit for units K005 through K009, inclusive.

Compliance with the combined limit shall be demonstrated through the record keeping requirements in Part III.3 of this emission unit.

VI. Miscellaneous Requirements

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PTI A

Issued: 11/9/2004

Emissions Unit ID: **K005**

None.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K005 - Coating/Printing Press C-5		

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 emissions unit (K005) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model. 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: Methyl ethyl ketone (MEK)

TLV (mg/m³): 590 mg/m³

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Emissions Unit ID: **K005**

Maximum Hourly Emission Rate (g/sec): 0.43

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 611.1

MAGLC (ug/m3): 14,000

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 still 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 (typically for coatings or cleanup materials), 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 composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

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(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

2. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy":
 - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
 - b. documentation of 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

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
K006 - Coating/Printing Press C-4	OAC rule 3745-31-05(A)	40 CFR Part 63, Subpart M
	OAC rule 3745-21-09(U)(2)(e)(iii)	
	OAC rule 3745-31-05(C)	
	OAC rule 3745-17-11(A)(2)	

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Applicable Emissions
Limitations/Control
Measures

Volatile Organic Compound (VOC) content of coatings shall not exceed 5.35 pounds per gallon.

Coating usage in this emissions unit shall not exceed ten gallons per day

See A.2.b below.

VOC emissions shall not exceed 14.87 tons per rolling 12-month period.

Combined emissions of VOC from emission units K005 through K009, inclusive, shall not exceed 14.87 tons per rolling 12-month period.

See A.2.c below.

Particulate emissions (PE) from this emissions unit shall not exceed 0.551 lb PE/hr

See A.2.a below.

See Part II.A of this permit.

2. Additional Terms and Conditions

- 2. a** The Particulate Emission limitations are derived from Table I, OAC rule 3745-17-11. Figure II was determined to be not applicable per OAC rule 3745-17-11(A)(2)(a)(i) because the uncontrolled mass rate of emissions could not be determined.
- 2. b** The exemption in OAC rule 3745-21-09(U)(2)(e)(iii) pertains only to emission units that never exceed 10 gallons of coating per day. Should the usage of coatings in emission unit K049 ever exceed 10 gallons on any one day, the requirements of OAC rule 3745-21-09(U)(1) shall apply to this emission unit immediately.
- 2. c** Compliance with the 14.87 TPY limit for this emission unit shall be assumed so long as the permittee demonstrates continuous compliance with the combined limit of 14.87 tons per rolling 12-month period for emission units K005 through K009, inclusive.

II. Operational Restrictions

- The cure oven associated with this emission unit shall be electrically powered.
- Combined emissions of VOC from emission units K005 through K009, inclusive, shall not exceed 14.87 tons per rolling 12-month period, calculated according to the following formula:

$$14.87 \text{ tons VOC} \geq \sum_{n=1}^i \frac{(P_i)(\text{VOC}_i)[1 - (\text{capture} * \text{DRE})]}{2000 \text{ lbs/ton}} - (R_p)(P_o)(\text{VOC}_o)$$

where:

- P_i = usage of coating i or cleanup/restoration material i in gallons
 VOC_i = volatile Organic compound content of coating i or cleanup/restoration material i in pounds VOC per gallon.
 capture = the capture efficiency, assumed to be 0%
 DRE = destruction removal efficiency of any control device, 0% without controls
 R_p = ratio of solvent used on Emission units K005 through K009 to (total solvent used on all Emission units - the amount of solvent used on Emission unit K045)
 P_o = total gallons of recovered solvents less the gallons of solvent recovered from Emission unit K045, for the subject time period
 VOC_o = VOC content of recovered solvents in pounds of VOC per gallon

- As of the applicable compliance date from 40 CFR Part 63, Subpart M, the permittee shall employ all applicable operating limits and work practice standards detailed in §§63.3892 and 63.3893 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following coating-related information for emissions unit K006:
 - a. The permittee shall collect and record the following information each day the emission unit is in operation:
 - i. the name or identification number of each coating, as applied;
 - ii. the VOC content of each coating, minus water and exempt solvents, as applied;
 - iii. the volume in gallons of each coating employed;
 - iv. the total VOC emissions from coatings, i.e. the sum of (b x c) for all coatings employed for the day; and
 - v. the total volume of all coatings employed for the day, in gallons.
 - b. The permittee shall calculate and record each month for emission unit K006 the monthly VOC emissions from coating usage, i.e. the sum of VOC emissions calculated in III.1.a.iv, above, for all operational days in the month;
2. The permittee shall collect and record the following cleanup/restoration solvent information each month for emissions units K005 through K009, inclusive, combined:
 - a. the name or identification number of each cleanup/restoration solvent, as applied;
 - b. the VOC content of each cleanup/restoration solvent material employed;
 - c. the volume in gallons of each cleanup/restoration solvent material employed;
 - d. the monthly VOC emissions from cleanup/restoration solvent usage, i.e. the total of (b x c) for each cleanup/restoration solvent employed;
3. If a credit for recovered cleanup/pan solvent material is used to demonstrate compliance and/or used in the calculation of rolling, 12 month emission calculations, the permittee shall maintain the following records for the recovered cleanup/pan solvent material, and the recovery drum or tank serving this emissions unit:

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- a. the date recovered materials were first added to the recovery tank/drum and the date the materials from the recovery drum or tank were shipped off site;
 - b. the total amount of material collected and shipped for recycle/recovery and/or disposal at an outside facility, in gallons, on the day it is shipped;
 - c. a record of the VOC content of each cleanup/pan solvent material that is collected for recovery, in pounds per gallon, or a record of the testing results of the VOC content of the material shipped;
 - d. the mass (lbs) of VOC to be credited to the rolling, 12 month emissions summation, from each shipment of recovered material, calculated using the lowest VOC content of any cleanup/pan solvent material recovered, unless a higher VOC content is established from the testing results of the recovered material shipped (i.e., b x c), and the date of each such shipment or record of credit; and
 - e. the record of the total amount of VOC emissions (lbs or tons) that may be applied as a credit, for the materials shipped for recycle/recovery and/or disposal at an outside facility, summed from the records of the VOC emission credits (d), for each shipment recorded during the rolling 12 month period.
4. The permittee shall keep monthly records for emissions units K005 through K009, inclusive, combined of the rolling, 12-month summation of VOC emissions from the coatings, and cleanup/restoration solvent materials employed.
 5. As of the applicable compliance date from 40 CFR Part 63, Subpart M, the permittee shall collect and keep all applicable records of the data and information detailed in §63.3930 of that subpart in the manner detailed in §63.3931 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Southwest District Office) in writing of any daily record showing the use of coating material(s) in excess of the ten gallon per day usage limitation for emission unit K006. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Southwest District Office) within 30 days following the exceedance.
2. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12 month VOC emission limitation for emission units K005 through K009, inclusive, from coatings and cleanup/restoration materials of 14.87 tons.

These quarterly deviation (excursion) reports shall be submitted in accordance with Part I -

General Terms and Conditions A.1.c.

3. As of the applicable compliance dates from 40 CFR Part 63, Subpart M MMM, the permittee shall submit all applicable reports and notifications detailed in §§63.3910 and 63.3920 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M MMM.

V. Testing Requirements

V. Testing Requirements

1. Emission Limitation:
Volatile Organic Compound (VOC) content of coatings shall not exceed 5.35 pounds per gallon.

Applicable Compliance Method:

Compliance with this limitation shall be demonstrated through the record keeping requirements in Part III.1.a.ii. of this permit.

2. Emission Limitation:
The permittee is subject to the HAP content limitations detailed in 40 CFR Part 63, Subpart M MMM §63.3890 as of the applicable compliance date detailed in that subpart.

Applicable Compliance Method:

As of the applicable compliance date from 40 CFR Part 63, Subpart M MMM, the permittee shall demonstrate compliance using the applicable methods detailed in §63.3940 through §63.3968 inclusive, of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M MMM.

3. Emission Limitation
VOC emissions shall not exceed 14.87 tons per rolling 12-month period.

Applicable Compliance Method:

Compliance with this unit's individual VOC emission limitation shall be demonstrated through compliance with the combined VOC emission limit for units K005 through K009, inclusive. Compliance with the combined limit shall be demonstrated through the record keeping requirements in Part III.3 of this emission unit.

VI. Miscellaneous Requirements

None.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K006 - Coating/Printing Press C-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 emissions unit (K006) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model. 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: Methyl ethyl ketone (MEK)

TLV (mg/m3): 590 mg/m3

Maximum Hourly Emission Rate (g/sec): 0.43

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1590

MAGLC (ug/m3): 14,000

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 (typically for coatings or cleanup materials), 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 composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

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(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

2. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"
 - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
 - b. documentation of 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.

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IV. Reporting Requirements

None

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Emissions Unit ID: **K006**

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
K007 - Coating/Printing Press C-3	OAC rule 3745-31-05(A)	40 CFR Part 63, Subpart M
	OAC rule 3745-21-09(U)(2)(e)(iii)	
	OAC rule 3745-31-05(C)	
	OAC rule 3745-17-11(A)(2)	

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Applicable Emissions
Limitations/Control
Measures

Volatile Organic Compound (VOC) content of coatings shall not exceed 5.35 pounds per gallon.

Coating usage in this emissions unit shall not exceed ten gallons per day

See A.2.b below.

VOC emissions shall not exceed 14.87 tons per rolling 12-month period.

Combined emissions of VOC from emission units K005 through K009, inclusive, shall not exceed 14.87 tons per rolling 12-month period.

See A.2.c below.

Particulate emissions (PE) from this emissions unit shall not exceed 0.551 lb PE/hr

See A.2.a below.

See Part II.A of this permit.

2. Additional Terms and Conditions

- 2. a** The Particulate Emission limitations are derived from Table I, OAC rule 3745-17-11. Figure II was determined to be not applicable per OAC rule 3745-17-11(A)(2)(a)(i) because the uncontrolled mass rate of emissions could not be determined.
- 2. b** The exemption in OAC rule 3745-21-09(U)(2)(e)(iii) pertains only to emission units that never exceed 10 gallons of coating per day. Should the usage of coatings in emission unit K049 ever exceed 10 gallons on any one day, the requirements of OAC rule 3745-21-09(U)(1) shall apply to this emission unit immediately.
- 2. c** Compliance with the 14.87 TPY limit for this emission unit shall be assumed so long as the permittee demonstrates continuous compliance with the combined limit of 14.87 tons per rolling 12-month period for emission units K005 through K009, inclusive.

II. Operational Restrictions

- The cure oven associated with this emission unit shall be electrically powered.
- Combined emissions of VOC from emission units K005 through K009, inclusive, shall not exceed 14.87 tons per rolling 12-month period, calculated according to the following formula:

$$14.87 \text{ tons VOC} \geq \sum_{n=1}^i \frac{(P_i)(\text{VOC}_i)[1 - (\text{capture} * \text{DRE})]}{2000 \text{ lbs/ton}} - (R_p)(P_o)(\text{VOC}_o)$$

where:

- P_i = usage of coating i or cleanup/restoration material i in gallons
 VOC_i = volatile Organic compound content of coating i or cleanup/restoration material i in pounds VOC per gallon.
 capture = the capture efficiency, assumed to be 0%
 DRE = destruction removal efficiency of any control device, 0% without controls
 R_p = ratio of solvent used on Emission units K005 through K009 to (total solvent used on all Emission units - the amount of solvent used on Emission unit K045)
 P_o = total gallons of recovered solvents less the gallons of solvent recovered from Emission unit K045, for the subject time period
 VOC_o = VOC content of recovered solvents in pounds of VOC per gallon

- As of the applicable compliance date from 40 CFR Part 63, Subpart M, the permittee shall employ all applicable operating limits and work practice standards detailed in §§63.3892 and 63.3893 of that subpart, provided the facility meets the definitions of a subject affected source as

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defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart MMMM.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following coating-related information for emissions unit K007:
 - a. The permittee shall collect and record the following information each day the emission unit is in operation:
 - i. the name or identification number of each coating, as applied;
 - ii. the VOC content of each coating, minus water and exempt solvents, as applied;
 - iii. the volume in gallons of each coating employed;
 - iv. the total VOC emissions from coatings, i.e. the sum of (b x c) for all coatings employed for the day; and
 - v. the total volume of all coatings employed for the day, in gallons.
 - b. The permittee shall calculate and record each month for emission unit K007 the monthly VOC emissions from coating usage, i.e. the sum of VOC emissions calculated in III.1.a.iv, above, for all operational days in the month;
2. The permittee shall collect and record the following cleanup/restoration solvent information each month for emissions units K005 through K009, inclusive, combined:
 - a. the name or identification number of each cleanup/restoration solvent, as applied;
 - b. the VOC content of each cleanup/restoration solvent material employed;
 - c. the volume in gallons of each cleanup/restoration solvent material employed;
 - d. the monthly VOC emissions from cleanup/restoration solvent usage, i.e. the total of (b x c) for each cleanup/restoration solvent employed;
3. If a credit for recovered cleanup/pan solvent material is used to demonstrate compliance and/or used in the calculation of rolling, 12 month emission calculations, the permittee shall maintain the following records for the recovered cleanup/pan solvent material, and the recovery drum or tank serving this emissions unit:

- a. the date recovered materials were first added to the recovery tank/drum and the date the materials from the recovery drum or tank were shipped off site;
 - b. the total amount of material collected and shipped for recycle/recovery and/or disposal at an outside facility, in gallons, on the day it is shipped;
 - c. a record of the VOC content of each cleanup/pan solvent material that is collected for recovery, in pounds per gallon, or a record of the testing results of the VOC content of the material shipped;
 - d. the mass (lbs) of VOC to be credited to the rolling, 12 month emissions summation, from each shipment of recovered material, calculated using the lowest VOC content of any cleanup/pan solvent material recovered, unless a higher VOC content is established from the testing results of the recovered material shipped (i.e., b x c), and the date of each such shipment or record of credit; and
 - e. the record of the total amount of VOC emissions (lbs or tons) that may be applied as a credit, for the materials shipped for recycle/recovery and/or disposal at an outside facility, summed from the records of the VOC emission credits (d), for each shipment recorded during the rolling 12 month period.
4. The permittee shall keep monthly records for emissions units K005 through K009, inclusive, combined of the rolling, 12-month summation of VOC emissions from the coatings, and cleanup/restoration solvent materials employed.
 5. As of the applicable compliance date from 40 CFR Part 63, Subpart M MMM, the permittee shall collect and keep all applicable records of the data and information detailed in §63.3930 of that subpart in the manner detailed in §63.3931 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M MMM.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Southwest District Office) in writing of any daily record showing the use of coating material(s) in excess of the ten gallon per day usage limitation for emission unit K006. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Southwest District Office) within 30 days following the exceedance.
2. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances

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of the rolling, 12 month VOC emission limitation for emission units K005 through K009, inclusive, from coatings and cleanup/restoration materials of 14.87 tons.

These quarterly deviation (excursion) reports shall be submitted in accordance with Part I - General Terms and Conditions A.1.c.

3. As of the applicable compliance dates from 40 CFR Part 63, Subpart M MMMM, the permittee shall submit all applicable reports and notifications detailed in §§63.3910 and 63.3920 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M MMMM.

V. Testing Requirements

V. Testing Requirements

1. Emission Limitation:
Volatile Organic Compound (VOC) content of coatings shall not exceed 5.35 pounds per gallon.

Applicable Compliance Method:

Compliance with this limitation shall be demonstrated through the record keeping requirements in Part III.1.a.ii. of this permit.

2. Emission Limitation:
The permittee is subject to the HAP content limitations detailed in 40 CFR Part 63, Subpart M MMMM §63.3890 as of the applicable compliance date detailed in that subpart.

Applicable Compliance Method:

As of the applicable compliance date from 40 CFR Part 63, Subpart M MMMM, the permittee shall demonstrate compliance using the applicable methods detailed in §63.3940 through §63.3968 inclusive, of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M MMMM.

3. Emission Limitation
VOC emissions shall not exceed 14.87 tons per rolling 12-month period.

Applicable Compliance Method:

Compliance with this unit's individual VOC emission limitation shall be demonstrated through compliance with the combined VOC emission limit for units K005 through K009, inclusive. Compliance with the combined limit shall be demonstrated through the record keeping requirements in Part III.3 of this emission unit.

VI. Miscellaneous Requirements

None.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K007 - Coating/Printing Press C-3		

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 emissions unit (K007) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model. 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: Methyl ethyl ketone (MEK)

TLV (mg/m3): 590 mg/m3

Maximum Hourly Emission Rate (g/sec): 0.43

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 2,764

MAGLC (ug/m3): 14,000

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 (typically for coatings or cleanup materials), 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 composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

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(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

2. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy":
 - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
 - b. documentation of 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

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show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

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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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>
K008 - Coating/Printing Press C-2	OAC Rule 3745-31-05(A) OAC rule 3745-17-10(B) 40 CFR Part 63, Subpart M OAC rule 3745-21-09(U)(2)(e)(iii) OAC rule 3745-31-05(C)

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Applicable Emissions
Limitations/Control
Measures

per rolling 12-month period.

See A.2.d below

Volatile Organic Compound (VOC) content of coatings shall not exceed 5.35 pounds per gallon.

0.02 lb PE per mmBtu for the drying oven

See A.2.b below

Emissions from combustion of natural gas and propane in the drying oven shall not exceed the following limits:

See Part II.A of this permit.

- 0.15 lb/hr and 0.67 TPY NO_x
- 0.08 lb/hr and 0.36 TPY CO
- 0.01 lb/hr and 0.03 TPY Filterable PM
- 0.02 lb/hr and 0.07 TPY SO₂
- 0.01 lb/hr and 0.02 TPY VOC

See A.2.a .

Coating usage in this emissions unit shall not exceed ten gallons per day.

See A.2.c below.

VOC emissions shall not exceed 14.87 tons per rolling 12-month period.

Combined emissions of VOC from emission units K005 through K009, inclusive, shall not exceed 14.87 tons

2. Additional Terms and Conditions

- 2.a** The emission limitations for PM10, SO2, NOx, CO and VOC from combustion of natural gas and/or propane in the drying ovens is established to reflect potential to emit for this emissions unit. Therefore, record keeping and reporting requirements are not necessary to ensure compliance with these limits.
- 2.b** The Particulate Emission limitations are derived from Table I, OAC rule 3745-17-11. Figure II was determined to be not applicable per OAC rule 3745-17-11(A)(2)(a)(i) because the uncontrolled mass rate of emissions could not be determined.
- 2.c** The exemption in OAC rule 3745-21-09(U)(2)(e)(iii) pertains only to emission units that never exceed 10 gallons of coating per day. Should the usage of coatings in emission unit K049 ever exceed 10 gallons on any one day, the requirements of OAC rule 3745-21-09(U)(1) shall apply to this emission unit immediately.
- 2.d** Compliance with the 14.87 TPY limit for this emission unit shall be assumed so long as the permittee demonstrates continuous compliance with the combined limit of 14.87 tons per rolling 12-month period for emission units K005 through K009, inclusive.

II. Operational Restrictions

- The cure oven associated with this emission unit shall be electrically powered.
- Combined emissions of VOC from emission units K005 through K009, inclusive, shall not exceed 14.87 tons per rolling 12-month period, calculated according to the following formula:

$$14.87 \text{ tons VOC} \geq \sum_{n=1}^i \frac{(P_i)(VOC_i)[1 - (\text{capture} * \text{DRE})]}{2000 \text{ lbs/ton}} - (R_p)(P_o)(VOC_o)$$

where:

- P_i = usage of coating i or cleanup/restoration material i in gallons
 VOC_i = volatile Organic compound content of coating i or cleanup/restoration material i in pounds VOC per gallon.
capture = the capture efficiency, assumed to be 0%
DRE = destruction removal efficiency of any control device, 0% without controls
 R_p = ratio of solvent used on Emission units K005 through K009 to (total solvent used on all Emission units - the amount of solvent used on Emission unit K045)
 P_o = total gallons of recovered solvents less the gallons of solvent recovered from Emission unit K045, for the subject time period
 VOC_o = VOC content of recovered solvents in pounds of VOC per gallon

- As of the applicable compliance date from 40 CFR Part 63, Subpart M, the permittee shall employ all applicable operating limits and work practice standards detailed in §§63.3892 and

63.3893 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart Mmmm.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following coating-related information for emissions unit K008:
 - a. The permittee shall collect and record the following information each day the emission unit is in operation:
 - i. the name or identification number of each coating, as applied;
 - ii. the VOC content of each coating, minus water and exempt solvents, as applied;
 - iii. the volume in gallons of each coating employed;
 - iv. the total VOC emissions from coatings, i.e. the sum of (b x c) for all coatings employed for the day; and
 - v. the total volume of all coatings employed for the day, in gallons.
 - b. The permittee shall calculate and record each month for emission unit K008 the monthly VOC emissions from coating usage, i.e. the sum of VOC emissions calculated in III.1.a.iv, above, for all operational days in the month;
2. The permittee shall collect and record the following cleanup/restoration solvent information each month for emissions units K005 through K009, inclusive, combined:
 - a. the name or identification number of each cleanup/restoration solvent, as applied;
 - b. the VOC content of each cleanup/restoration solvent material employed;
 - c. the volume in gallons of each cleanup/restoration solvent material employed;
 - d. the monthly VOC emissions from cleanup/restoration solvent usage, i.e. the total of (b x c) for each cleanup/restoration solvent employed;
3. If a credit for recovered cleanup/pan solvent material is used to demonstrate compliance and/or used in the calculation of rolling, 12 month emission calculations, the permittee shall maintain the

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following records for the recovered cleanup/pan solvent material, and the recovery drum or tank serving this emissions unit:

- a. the date recovered materials were first added to the recovery tank/drum and the date the materials from the recovery drum or tank were shipped off site;
 - b. the total amount of material collected and shipped for recycle/recovery and/or disposal at an outside facility, in gallons, on the day it is shipped;
 - c. a record of the VOC content of each cleanup/pan solvent material that is collected for recovery, in pounds per gallon, or a record of the testing results of the VOC content of the material shipped;
 - d. the mass (lbs) of VOC to be credited to the rolling, 12 month emissions summation, from each shipment of recovered material, calculated using the lowest VOC content of any cleanup/pan solvent material recovered, unless a higher VOC content is established from the testing results of the recovered material shipped (i.e., b x c), and the date of each such shipment or record of credit; and
 - e. the record of the total amount of VOC emissions (lbs or tons) that may be applied as a credit, for the materials shipped for recycle/recovery and/or disposal at an outside facility, summed from the records of the VOC emission credits (d), for each shipment recorded during the rolling 12 month period.
4. The permittee shall keep monthly records for emissions units K005 through K009, inclusive, combined of the rolling, 12-month summation of VOC emissions from the coatings, and cleanup/restoration solvent materials employed.
 5. For each day during which the permittee burns fuel other than natural gas or propane in this emissions unit, the permittee shall maintain a record of the type and quantity of fuel burned.
 6. As of the applicable compliance date from 40 CFR Part 63, Subpart M, the permittee shall collect and keep all applicable records of the data and information detailed in §63.3930 of that subpart in the manner detailed in §63.3931 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Southwest District Office) in writing of any daily record showing the use of coating material(s) in excess of the ten gallon per day usage limitation for emission unit K008. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Southwest District Office) within 30 days following the exceedance.

2. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12-month VOC emission limitation for emission units K005 through K009, inclusive, from coatings and cleanup/restoration materials of 14.87 tons.

These quarterly deviation (excursion) reports shall be submitted in accordance with Part I - General Terms and Conditions A.1.c.

3. The permittee shall notify the Director (the Ohio EPA, Southwest District Office) of any record showing the use of a fuel other than natural gas or propane in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Southwest District Office) within 30 days following the end of the calendar month.
4. As of the applicable compliance dates from 40 CFR Part 63, Subpart M MMM, the permittee shall submit all applicable reports and notifications detailed in §§63.3910 and 63.3920 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M MMM.

V. Testing Requirements

1. Emission Limitation:
0.02 lb PE per mmBtu for the drying oven

Applicable Compliance Method:

Compliance with this limit shall be based upon the requirement for burning only natural gas or propane for this emissions unit. If required, the permittee shall demonstrate compliance with this emissions limitation through a compliance demonstration performed in accordance with 40 CFR Part 60, Appendix A, Method 1 thru 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

2. Emission Limitation:
The permittee is subject to the HAP content limitations detailed in 40 CFR Part 63, Subpart M MMM §63.3890 as of the applicable compliance date detailed in that subpart.

Applicable Compliance Method:

As of the applicable compliance date from 40 CFR Part 63, Subpart M MMM, the permittee shall demonstrate compliance using the applicable methods detailed in §63.3940 through §63.3968 inclusive, of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M MMM.

Emissions Unit ID: K008

3. Emission Limitation
VOC emissions shall not exceed 14.87 tons per rolling 12-month period.

Applicable Compliance Method:

Compliance with this unit's individual VOC emission limitation shall be demonstrated through compliance with the combined VOC emission limit for units K005 through K009, inclusive. Compliance with the combined limit shall be demonstrated through the record keeping requirements in Part III.3 of this emission unit.

4. Emission Limitation:
The emissions from natural gas and propane combustion in the drying ovens shall not exceed the following:

0.27 lb/hr and 1.17 TPY NO_x
0.14 lb/hr and 0.63 TPY CO
0.01 lb/hr and 0.06 TPY Filterable PM
0.03 lb/hr and 0.13 TPY SO₂
0.01 lb/hr and 0.04 TPY VOC

Applicable Compliance Method:

Compliance with the limits for natural gas combustion within the drying ovens shall be based upon the emission factors from AP-42 "Compilation of Air Pollutant Emission Factors", Tables 1.4-1 and 1.4-2 (7/98). These emission factors (lb pollutant/10⁶ scf) multiplied by the maximum hourly gas burning capacity of the burners (one at 1.75 mmBtu/hr) and times 1 scf/1020 Btu shall be the demonstration of compliance with the hourly limits. Compliance with the ton per year limits are documented by multiplying the calculated hourly limits by 8760 hours in a year and dividing by 2000 pounds.

Compliance with the limits for propane combustion within the drying ovens shall be based upon the emission factors from AP-42 "Compilation of Air Pollutant Emission Factors", Tables 1.5-1 (10/96). These emission factors (lb pollutant/10³ gallons) multiplied by the maximum hourly gas burning capacity of the burners (one at 1.75 mmBtu/hr) and divided by the 91.5 MMBtu/10³ gallons shall be the demonstration of compliance with the hourly limits. Compliance with the ton per year limits are documented by multiplying the calculated hourly limits by 8760 hours in a year and dividing by 2000 pounds.

VI. Miscellaneous Requirements

None.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K008 - Coating/Printing Press C-2		

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 emissions unit (K008) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model. 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: Methyl ethyl ketone (MEK)

TLV (mg/m³): 590 mg/m³

Maximum Hourly Emission Rate (g/sec): 0.43

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1,409

MAGLC (ug/m3): 14,000

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 (typically for coatings or cleanup materials), 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 composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

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(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

2. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy":
 - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
 - b. documentation of 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

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show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

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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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
K009 - Coating/Printing Press C-1	OAC rule 3745-31-05(A)	OAC rule 3745-17-10(B)
		40 CFR Part 63, Subpart MMMM
	OAC rule 3745-21-09(U)(1)(c)	
	OAC rule 3745-31-05(C)	

Applicable Emissions
Limitations/Control
Measures

See A.2.b below.

See Part II.A of this permit.

Emissions from combustion of natural gas and propane in the drying oven shall not exceed the following limits:

- 0.27 lb/hr and 1.17 TPY NO_x
- 0.14 lb/hr and 0.63 TPY CO
- 0.01 lb/hr and 0.06 TPY Filterable PM
- 0.03 lb/hr and 0.13 TPY SO₂
- 0.01 lb/hr and 0.04 TPY VOC

See A.2.a .

The VOC content for extreme performance coatings shall not exceed 3.5 lbs VOC/gallon.

VOC emissions shall not exceed 14.87 tons per rolling 12-month period.

Combined emissions of VOC from emission units K005 through K009, inclusive, shall not exceed 14.87 tons per rolling 12-month period.

See A.2.c below

0.02 lb PE per mmBtu for the drying oven

Emissions Unit ID: K009

2. Additional Terms and Conditions

- 2.a** The emission limitations for PM10, SO2, NOx, CO and VOC from combustion of natural gas and/or propane in the drying ovens is established to reflect potential to emit for this emissions unit. Therefore, record keeping and reporting requirements are not necessary to ensure compliance with these limits.
- 2.b** The Particulate Emission limitations are derived from Table I, OAC rule 3745-17-11. Figure II was determined to be not applicable per OAC rule 3745-17-11(A)(2)(a)(i) because the uncontrolled mass rate of emissions could not be determined.
- 2.c** Compliance with the 14.87 TPY limit for this emission unit shall be assumed so long as the permittee demonstrates continuous compliance with the combined limit of 14.87 tons per rolling 12-month period for emission units K005 through K009, inclusive.

II. Operational Restrictions

- The cure oven associated with this emission unit shall be electrically powered.
- Combined emissions of VOC from emission units K005 through K009, inclusive, shall not exceed 14.87 tons per rolling 12-month period, calculated according to the following formula:

$$14.87 \text{ tons VOC} \geq \sum_{n=1}^i \frac{(P_i)(VOC_i)[1 - (\text{capture} * \text{DRE})]}{2000 \text{ lbs/ton}} - (R_p)(P_o)(VOC_o)$$

where:

- P_i = usage of coating i or cleanup/restoration material i in gallons
 VOC_i = volatile Organic compound content of coating i or cleanup/restoration material i in pounds VOC per gallon.
capture = the capture efficiency, assumed to be 0%
DRE = destruction removal efficiency of any control device, 0% without controls
 R_p = ratio of solvent used on Emission units K005 through K009 to (total solvent used on all Emission units - the amount of solvent used on Emission unit K045)
 P_o = total gallons of recovered solvents less the gallons of solvent recovered from Emission unit K045, for the subject time period
 VOC_o = VOC content of recovered solvents in pounds of VOC per gallon

- As of the applicable compliance date from 40 CFR Part 63, Subpart Mmmm, the permittee shall employ all applicable operating limits and work practice standards detailed in §§63.3892 and 63.3893 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart Mmmm.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following coating information each month for emissions unit K009:
 - a. the name or identification number of each coating, as applied;
 - b. the VOC content of each coating, minus water and exempt solvents, as applied;
 - c. the volume in gallons of each coating employed; and
 - d. the monthly VOC emissions from the coatings employed, i.e., multiply the monthly volume, in gallons, of each coating employed by its respective VOC content less water and exempt solvents, and summarize the results.
2. The permittee shall collect and record the following cleanup/restoration solvent information each month for emissions units K005 through K009, inclusive, combined:
 - a. the name or identification number of each cleanup/restoration solvent, as applied;
 - b. the VOC content of each cleanup/restoration solvent material employed;
 - c. the volume in gallons of each cleanup/restoration solvent material employed;
 - d. the monthly VOC emissions from cleanup/restoration solvent usage, i.e. the total of (b x c) for each cleanup/restoration solvent employed;
3. If a credit for recovered cleanup/pan solvent material is used to demonstrate compliance and/or used in the calculation of rolling, 12 month emission calculations, the permittee shall maintain the following records for the recovered cleanup/pan solvent material, and the recovery drum or tank serving this emissions unit:
 - a. the date recovered materials were first added to the recovery tank/drum and the date the materials from the recovery drum or tank were shipped off site;
 - b. the total amount of material collected and shipped for recycle/recovery and/or disposal at an outside facility, in gallons, on the day it is shipped;
 - c. a record of the VOC content of each cleanup/pan solvent material that is collected for recovery, in pounds per gallon, or a record of the testing results of the VOC content of the

material shipped;

- d. the mass (lbs) of VOC to be credited to the rolling, 12 month emissions summation, from each shipment of recovered material, calculated using the lowest VOC content of any cleanup/pan solvent material recovered, unless a higher VOC content is established from the testing results of the recovered material shipped (i.e., b x c), and the date of each such shipment or record of credit; and
 - e. the record of the total amount of VOC emissions (lbs or tons) that may be applied as a credit, for the materials shipped for recycle/recovery and/or disposal at an outside facility, summed from the records of the VOC emission credits (d), for each shipment recorded during the rolling 12 month period.
4. The permittee shall keep monthly records for emissions units K005 through K009, inclusive, combined of the rolling, 12 month summation of VOC emissions from the coatings, and cleanup/restoration solvent materials employed.
 5. For each day during which the permittee burns fuel other than natural gas or propane in this emissions unit, the permittee shall maintain a record of the type and quantity of fuel burned.
 6. As of the applicable compliance date from 40 CFR Part 63, Subpart M, the permittee shall collect and keep all applicable records of the data and information detailed in §63.3930 of that subpart in the manner detailed in §63.3931 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Southwest District Office) in writing of any monthly record showing the use of noncomplying coating material(s). These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Southwest District Office) within 30 days following the end of the calendar month.
2. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12-month VOC emission limitation for emission units K005 through K009, inclusive, from coatings and cleanup/restoration materials of 14.87 tons.

These quarterly deviation (excursion) reports shall be submitted in accordance with Part I - General Terms and Conditions A.1.c.

3. The permittee shall notify the Director (the Ohio EPA, Southwest District Office) of any record showing the use of a fuel other than natural gas or propane in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Southwest District Office) within 30 days following the end of the calendar month.

4. As of the applicable compliance dates from 40 CFR Part 63, Subpart M MMMM, the permittee shall submit all applicable reports and notifications detailed in §§63.3910 and 63.3920 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M MMMM.

V. Testing Requirements

1. Emission Limitation:
VOC content of coatings shall not exceed 3.5 lbs VOC/gallon, as applied

Applicable Compliance Method:

Formulation data or USEPA Method 24 shall be used to determine the VOC content of the coatings. The record keeping requirements contained in Section III.1 shall demonstrate that only materials with these VOC content limitations are applied.

2. Emission Limitation:
0.02 lb PE per mmBtu for the drying oven

Applicable Compliance Method:

Compliance with this limit shall be based upon the requirement for burning only natural gas or propane for this emissions unit. If required, the permittee shall demonstrate compliance with this emissions limitation through a compliance demonstration performed in accordance with 40 CFR Part 60, Appendix A, Method 1 thru 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

3. Emission Limitation
VOC emissions shall not exceed 14.87 tons per rolling 12-month period.

Applicable Compliance Method:

Compliance with this unit's individual VOC emission limitation shall be demonstrated through compliance with the combined VOC emission limit for units K005 through K009, inclusive. Compliance with the combined limit shall be demonstrated through the record keeping requirements in Part III.3 of this emission unit.

4. Emission Limitation:
The emissions from natural gas and propane combustion in the drying ovens shall not exceed the following:

0.27 lb/hr and 1.17 TPY NO_x

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0.14 lb/hr and 0.63 TPY CO
 0.01 lb/hr and 0.06 TPY Filterable PM
 0.03 lb/hr and 0.13 TPY SO₂
 0.01 lb/hr and 0.04 TPY VOC

Applicable Compliance Method:

Compliance with the limits for natural gas combustion within the drying ovens shall be based upon the emission factors from AP-42 "Compilation of Air Pollutant Emission Factors", Tables 1.4-1 and 1.4-2 (7/98). These emission factors (lb pollutant/10⁶ scf) multiplied by the maximum hourly gas burning capacity of the burners (one at 1.75 mmBtu/hr) and times 1 scf/1020 Btu shall be the demonstration of compliance with the hourly limits. Compliance with the ton per year limits are documented by multiplying the calculated hourly limits by 8760 hours in a year and dividing by 2000 pounds.

Compliance with the limits for propane combustion within the drying ovens shall be based upon the emission factors from AP-42 "Compilation of Air Pollutant Emission Factors", Tables 1.5-1 (10/96) These emission factors (lb pollutant/10³ gallons) multiplied by the maximum hourly gas burning capacity of the burners (one at 1.75 mmBtu/hr) and divided by the 91.5 MMBtu/10³ gallons shall be the demonstration of compliance with the hourly limits. Compliance with the ton per year limits are documented by multiplying the calculated hourly limits by 8760 hours in a year and dividing by 2000 pounds.

5. **Emission Limitation:**

The permittee is subject to the HAP content limitations detailed in 40 CFR Part 63, Subpart Mmmm §63.3890 as of the applicable compliance date detailed in that subpart.

Applicable Compliance Method:

As of the applicable compliance date from 40 CFR Part 63, Subpart Mmmm, the permittee shall demonstrate compliance using the applicable methods detailed in §63.3940 through §63.3968 inclusive, of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart Mmmm.

VI. Miscellaneous Requirements

None.

B. State Only 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K009 - Coating/Printing Press C-1		

2. Additional Terms and Conditions

- None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

- The permit to install for this emissions unit (K009) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model. 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: Methyl ethyl ketone (MEK)

TLV (mg/m³): 590 mg/m³

Emissions Unit ID: K009

Maximum Hourly Emission Rate (g/sec): 0.43

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1,411

MAGLC (ug/m3): 14,000

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 (typically for coatings or cleanup materials), 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 composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

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(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

2. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy":
 - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
 - b. documentation of 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

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show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

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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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P107 - Stamping Press 1-261	OAC rule 3745-31-05(A)(3)	The volatile organic compound (VOC) content of lubricating oils shall not exceed 5.75 pounds per gallon.
	OAC rule 3745-31-05(C)	VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.
	OAC rule 3745-21-07(G)	The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.
		See Section A.2.a.

2. Additional Terms and Conditions

- 2.a The liquid organic materials employed by this emissions unit shall not be exposed to temperatures exceeding 220 degrees Fahrenheit, and the boiling points shall exceed 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure. Pursuant to OAC rule 3745-21-07(G)(9)(e), liquid organic materials which exhibit the aforementioned physical properties and are not exposed to temperatures exceeding 220 degrees Fahrenheit are not subject to the requirements of OAC rule 3745-21-07(G).

II. Operational Restrictions

The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.

VOC emissions shall be calculated according to the following equation:

$$10.5 \text{ TPY} \geq \frac{\sum_{i=1}^n (V_i)(G_i)}{2000 \text{ lbs/Ton}}$$

where

V_i = VOC content in pounds per gallon of each lubricating oil, subject to the following limitation: $V_i \leq 5.75$ lbs VOC/gallon;

G_i = Gallons used of each lubricating oil for the rolling 12 month period.

n = Total number of unique lubricating oils employed during the rolling 12-month period.

III. Monitoring and/or Recordkeeping Requirements

The permittee shall maintain monthly records of the following information for emissions units P107 through P114 and P117 through P140, combined:

1. the company name and identification for each lubricating oil employed;
2. whether or not each liquid organic materials employed have boiling points exceeding 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure or the materials have been exposed to temperatures exceeding 220 degrees Fahrenheit;
3. the volume, in gallons, of each lubricating oil employed;
4. the VOC content of each lubricating oil employed, in pounds per gallon; and
5. the rolling 12-month summation of VOC emissions from the lubricating oils employed, i.e., the sum of the usage of each lubricating oil employed multiplied by its respective VOC content.

IV. Reporting Requirements

The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the following:

1. any monthly record showing noncompliance with the liquid organic material usage limitation for this emissions unit, i.e., liquid organic materials must not be exposed to temperatures exceeding 220 degrees Fahrenheit and the boiling points must exceed 200 degrees at 0.5 millimeter mercury absolute pressure per OAC rule 3745-21-07(G)(9)(e);
2. any monthly record showing noncompliance with the VOC content limit for lubricating oils of

5.75 lbs/gallon; and

3. any monthly record showing noncompliance with the rolling, 12-month VOC emissions limit of 10.5 tons for emissions units P107 through P114, and P117 through P140, combined.

V. Testing Requirements

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

1. VOC Content Limitation:
5.75 lbs VOC/gallon of lubricating oil

Applicable Compliance Method:

Formulation data or USEPA Method 24 shall be used to determine the volatile organic compound content of materials added to this emissions unit.

2. Emission Limitation:
VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with this limitation shall be based upon compliance with the grouped annual limit for P107 through P114 and P117 through P140, combined.

VI. Miscellaneous Requirements

1. Lubricating oil record keeping and reporting requirements in this permit apply only to VOC-containing lubricants (i.e. lubricants with a VOC content greater than zero).
2. Emission units P117 through P140 refer to 24 stamping presses installed prior to 1974 and not subject to the requirement to have a permit to install. These units are included under the group emission limit to harmonize these terms with the yet-to-be-issued permit to operate. It is the intent of each term referring to these 24 presses to include their emissions within the group limit, record keeping and reporting requirements for presses in this permit.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P107 - Stamping Press 1-261		

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P108 - Stamping Press 1-266	OAC rule 3745-31-05(A)(3)	The volatile organic compound (VOC) content of lubricating oils shall not exceed 5.75 pounds per gallon.
	OAC rule 3745-31-05(C)	VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.
	OAC rule 3745-21-07(G)	The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.
		See Section A.2.a.

2. Additional Terms and Conditions

- 2.a The liquid organic materials employed by this emissions unit shall not be exposed to temperatures exceeding 220 degrees Fahrenheit, and the boiling points shall exceed 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure. Pursuant to OAC rule 3745-21-07(G)(9)(e), liquid organic materials which exhibit the aforementioned physical properties and are not exposed to temperatures exceeding 220 degrees Fahrenheit are not subject to the requirements of OAC rule 3745-21-07(G).

II. Operational Restrictions

The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.

VOC emissions shall be calculated according to the following equation:

$$10.5 \text{ TPY} \geq \frac{\sum_{i=1}^n (V_i)(G_i)}{2000 \text{ lbs/Ton}}$$

where

V_i = VOC content in pounds per gallon of each lubricating oil, subject to the following limitation: $V_i \leq 5.75$ lbs VOC/gallon;

G_i = Gallons used of each lubricating oil for the rolling 12 month period.

n = Total number of unique lubricating oils employed during the rolling 12-month period.

III. Monitoring and/or Recordkeeping Requirements

The permittee shall maintain monthly records of the following information for emissions units P107 through P114 and P117 through P140, combined:

1. the company name and identification for each lubricating oil employed;
2. whether or not each liquid organic materials employed have boiling points exceeding 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure or the materials have been exposed to temperatures exceeding 220 degrees Fahrenheit;
3. the volume, in gallons, of each lubricating oil employed;
4. the VOC content of each lubricating oil employed, in pounds per gallon; and
5. the rolling 12-month summation of VOC emissions from the lubricating oils employed, i.e., the sum of the usage of each lubricating oil employed multiplied by its respective VOC content.

IV. Reporting Requirements

The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the following:

1. any monthly record showing noncompliance with the liquid organic material usage limitation for this emissions unit, i.e., liquid organic materials must not be exposed to temperatures exceeding 220 degrees Fahrenheit and the boiling points must exceed 200 degrees at 0.5 millimeter mercury absolute pressure per OAC rule 3745-21-07(G)(9)(e);
2. any monthly record showing noncompliance with the VOC content limit for lubricating oils of 5.75 lbs/gallon; and

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3. any monthly record showing noncompliance with the rolling, 12-month VOC emissions limit of 10.5 tons for emissions units P107 through P114, and P117 through P140, combined.

V. Testing Requirements

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

1. VOC Content Limitation:
5.75 lbs VOC/gallon of lubricating oil

Applicable Compliance Method:

Formulation data or USEPA Method 24 shall be used to determine the volatile organic compound content of materials added to this emissions unit.

2. Emission Limitation:
VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with this limitation shall be based upon compliance with the grouped annual limit for P107 through P114 and P117 through P140, combined.

VI. Miscellaneous Requirements

1. Lubricating oil record keeping and reporting requirements in this permit apply only to VOC-containing lubricants (i.e. lubricants with a VOC content greater than zero).
2. Emission units P117 through P140 refer to 24 stamping presses installed prior to 1974 and not subject to the requirement to have a permit to install. These units are included under the group emission limit to harmonize these terms with the yet-to-be-issued permit to operate. It is the intent of each term referring to these 24 presses to include their emissions within the group limit, record keeping and reporting requirements for presses in this permit.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P108 - Stamping Press 1-266		

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P109 - Stamping Press 1-267	OAC rule 3745-31-05(A)(3)	The volatile organic compound (VOC) content of lubricating oils shall not exceed 5.75 pounds per gallon.
	OAC rule 3745-31-05(C)	VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.
	OAC rule 3745-21-07(G)	The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.
		See Section A.2.a.

2. Additional Terms and Conditions

- 2.a The liquid organic materials employed by this emissions unit shall not be exposed to temperatures exceeding 220 degrees Fahrenheit, and the boiling points shall exceed 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure. Pursuant to OAC rule 3745-21-07(G)(9)(e), liquid organic materials which exhibit the aforementioned physical properties and are not exposed to temperatures exceeding 220 degrees Fahrenheit are not subject to the requirements of OAC rule 3745-21-07(G).

II. Operational Restrictions

The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.

VOC emissions shall be calculated according to the following equation:

$$10.5 \text{ TPY} \geq \frac{\sum_{i=1}^n (V_i)(G_i)}{2000 \text{ lbs/Ton}}$$

where

V_i = VOC content in pounds per gallon of each lubricating oil, subject to the following limitation: $V_i \leq 5.75$ lbs VOC/gallon;

G_i = Gallons used of each lubricating oil for the rolling 12 month period.

n = Total number of unique lubricating oils employed during the rolling 12-month period.

III. Monitoring and/or Recordkeeping Requirements

The permittee shall maintain monthly records of the following information for emissions units P107 through P114 and P117 through P140, combined:

1. the company name and identification for each lubricating oil employed;
2. whether or not each liquid organic materials employed have boiling points exceeding 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure or the materials have been exposed to temperatures exceeding 220 degrees Fahrenheit;
3. the volume, in gallons, of each lubricating oil employed;
4. the VOC content of each lubricating oil employed, in pounds per gallon; and
5. the rolling 12-month summation of VOC emissions from the lubricating oils employed, i.e., the sum of the usage of each lubricating oil employed multiplied by its respective VOC content.

IV. Reporting Requirements

The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the following:

1. any monthly record showing noncompliance with the liquid organic material usage limitation for this emissions unit, i.e., liquid organic materials must not be exposed to temperatures exceeding 220 degrees Fahrenheit and the boiling points must exceed 200 degrees at 0.5 millimeter mercury absolute pressure per OAC rule 3745-21-07(G)(9)(e);
2. any monthly record showing noncompliance with the VOC content limit for lubricating oils of

5.75 lbs/gallon; and

3. any monthly record showing noncompliance with the rolling, 12-month VOC emissions limit of 10.5 tons for emissions units P107 through P114, and P117 through P140, combined.

V. Testing Requirements

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

1. VOC Content Limitation:
5.75 lbs VOC/gallon of lubricating oil

Applicable Compliance Method:

Formulation data or USEPA Method 24 shall be used to determine the volatile organic compound content of materials added to this emissions unit.

2. Emission Limitation:
VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with this limitation shall be based upon compliance with the grouped annual limit for P107 through P114 and P117 through P140, combined.

VI. Miscellaneous Requirements

1. Lubricating oil record keeping and reporting requirements in this permit apply only to VOC-containing lubricants (i.e. lubricants with a VOC content greater than zero).
2. Emission units P117 through P140 refer to 24 stamping presses installed prior to 1974 and not subject to the requirement to have a permit to install. These units are included under the group emission limit to harmonize these terms with the yet-to-be-issued permit to operate. It is the intent of each term referring to these 24 presses to include their emissions within the group limit, record keeping and reporting requirements for presses in this permit.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P109 - Stamping Press 1-267		

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P110 - Stamping Press 1-290	OAC rule 3745-31-05(A)(3)	The volatile organic compound (VOC) content of lubricating oils shall not exceed 5.75 pounds per gallon.
	OAC rule 3745-31-05(C)	VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.
	OAC rule 3745-21-07(G)	The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.
		See Section A.2.a.

2. Additional Terms and Conditions

- 2.a The liquid organic materials employed by this emissions unit shall not be exposed to temperatures exceeding 220 degrees Fahrenheit, and the boiling points shall exceed 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure. Pursuant to OAC rule 3745-21-07(G)(9)(e), liquid organic materials which exhibit the aforementioned physical properties and are not exposed to temperatures exceeding 220 degrees Fahrenheit are not subject to the requirements of OAC rule 3745-21-07(G).

II. Operational Restrictions

The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.

VOC emissions shall be calculated according to the following equation:

$$10.5 \text{ TPY} \geq \frac{\sum_{i=1}^n (V_i)(G_i)}{2000 \text{ lbs/Ton}}$$

where

V_i = VOC content in pounds per gallon of each lubricating oil, subject to the following limitation: $V_i \leq 5.75$ lbs VOC/gallon;

G_i = Gallons used of each lubricating oil for the rolling 12 month period.

n = Total number of unique lubricating oils employed during the rolling 12-month period.

III. Monitoring and/or Recordkeeping Requirements

The permittee shall maintain monthly records of the following information for emissions units P107 through P114 and P117 through P140, combined:

1. the company name and identification for each lubricating oil employed;
2. whether or not each liquid organic materials employed have boiling points exceeding 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure or the materials have been exposed to temperatures exceeding 220 degrees Fahrenheit;
3. the volume, in gallons, of each lubricating oil employed;
4. the VOC content of each lubricating oil employed, in pounds per gallon; and
5. the rolling 12-month summation of VOC emissions from the lubricating oils employed, i.e., the sum of the usage of each lubricating oil employed multiplied by its respective VOC content.

IV. Reporting Requirements

The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the following:

1. any monthly record showing noncompliance with the liquid organic material usage limitation for this emissions unit, i.e., liquid organic materials must not be exposed to temperatures exceeding 220 degrees Fahrenheit and the boiling points must exceed 200 degrees at 0.5 millimeter mercury absolute pressure per OAC rule 3745-21-07(G)(9)(e);
2. any monthly record showing noncompliance with the VOC content limit for lubricating oils of 5.75 lbs/gallon; and

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3. any monthly record showing noncompliance with the rolling, 12-month VOC emissions limit of 10.5 tons for emissions units P107 through P114, and P117 through P140, combined.

V. Testing Requirements

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

1. VOC Content Limitation:
5.75 lbs VOC/gallon of lubricating oil

Applicable Compliance Method:

Formulation data or USEPA Method 24 shall be used to determine the volatile organic compound content of materials added to this emissions unit.

2. Emission Limitation:
VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with this limitation shall be based upon compliance with the grouped annual limit for P107 through P114 and P117 through P140, combined.

VI. Miscellaneous Requirements

1. Lubricating oil record keeping and reporting requirements in this permit apply only to VOC-containing lubricants (i.e. lubricants with a VOC content greater than zero).
2. Emission units P117 through P140 refer to 24 stamping presses installed prior to 1974 and not subject to the requirement to have a permit to install. These units are included under the group emission limit to harmonize these terms with the yet-to-be-issued permit to operate. It is the intent of each term referring to these 24 presses to include their emissions within the group limit, record keeping and reporting requirements for presses in this permit.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P110 - Stamping Press 1-290		

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P111 - Stamping Press 1-301	OAC rule 3745-31-05(A)(3)	The volatile organic compound (VOC) content of lubricating oils shall not exceed 5.75 pounds per gallon.
	OAC rule 3745-31-05(C)	VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.
	OAC rule 3745-21-07(G)	The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.
		See Section A.2.a.

2. Additional Terms and Conditions

- 2.a The liquid organic materials employed by this emissions unit shall not be exposed to temperatures exceeding 220 degrees Fahrenheit, and the boiling points shall exceed 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure. Pursuant to OAC rule 3745-21-07(G)(9)(e), liquid organic materials which exhibit the aforementioned physical properties and are not exposed to temperatures exceeding 220 degrees Fahrenheit are not subject to the requirements of OAC rule 3745-21-07(G).

II. Operational Restrictions

The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.

VOC emissions shall be calculated according to the following equation:

$$10.5 \text{ TPY} \geq \frac{\sum_{i=1}^n (V_i)(G_i)}{2000 \text{ lbs/Ton}}$$

where

V_i = VOC content in pounds per gallon of each lubricating oil, subject to the following limitation: $V_i \leq 5.75$ lbs VOC/gallon;

G_i = Gallons used of each lubricating oil for the rolling 12 month period.

n = Total number of unique lubricating oils employed during the rolling 12-month period.

III. Monitoring and/or Recordkeeping Requirements

The permittee shall maintain monthly records of the following information for emissions units P107 through P114 and P117 through P140, combined:

1. the company name and identification for each lubricating oil employed;
2. whether or not each liquid organic materials employed have boiling points exceeding 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure or the materials have been exposed to temperatures exceeding 220 degrees Fahrenheit;
3. the volume, in gallons, of each lubricating oil employed;
4. the VOC content of each lubricating oil employed, in pounds per gallon; and
5. the rolling 12-month summation of VOC emissions from the lubricating oils employed, i.e., the sum of the usage of each lubricating oil employed multiplied by its respective VOC content.

IV. Reporting Requirements

The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the following:

1. any monthly record showing noncompliance with the liquid organic material usage limitation for this emissions unit, i.e., liquid organic materials must not be exposed to temperatures exceeding 220 degrees Fahrenheit and the boiling points must exceed 200 degrees at 0.5 millimeter mercury absolute pressure per OAC rule 3745-21-07(G)(9)(e);
2. any monthly record showing noncompliance with the VOC content limit for lubricating oils of

5.75 lbs/gallon; and

3. any monthly record showing noncompliance with the rolling, 12-month VOC emissions limit of 10.5 tons for emissions units P107 through P114, and P117 through P140, combined.

V. Testing Requirements

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

1. VOC Content Limitation:
5.75 lbs VOC/gallon of lubricating oil

Applicable Compliance Method:

Formulation data or USEPA Method 24 shall be used to determine the volatile organic compound content of materials added to this emissions unit.

2. Emission Limitation:
VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with this limitation shall be based upon compliance with the grouped annual limit for P107 through P114 and P117 through P140, combined.

VI. Miscellaneous Requirements

1. Lubricating oil record keeping and reporting requirements in this permit apply only to VOC-containing lubricants (i.e. lubricants with a VOC content greater than zero).
2. Emission units P117 through P140 refer to 24 stamping presses installed prior to 1974 and not subject to the requirement to have a permit to install. These units are included under the group emission limit to harmonize these terms with the yet-to-be-issued permit to operate. It is the intent of each term referring to these 24 presses to include their emissions within the group limit, record keeping and reporting requirements for presses in this permit.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P111 - Stamping Press 1-301		

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P112 - Stamping Press 1-302	OAC rule 3745-31-05(A)(3)	The volatile organic compound (VOC) content of lubricating oils shall not exceed 5.75 pounds per gallon. VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.
	OAC rule 3745-31-05(C)	The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.
	OAC rule 3745-21-07(G)	See Section A.2.a.

2. Additional Terms and Conditions

- 2.a The liquid organic materials employed by this emissions unit shall not be exposed to temperatures exceeding 220 degrees Fahrenheit, and the boiling points shall exceed 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure. Pursuant to OAC rule 3745-21-07(G)(9)(e), liquid organic materials which exhibit the aforementioned physical properties and are not exposed to temperatures exceeding 220 degrees Fahrenheit are not subject to the requirements of OAC rule 3745-21-07(G).

II. Operational Restrictions

The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.

VOC emissions shall be calculated according to the following equation:

$$10.5 \text{ TPY} \geq \frac{\sum_{i=1}^n (V_i)(G_i)}{2000 \text{ lbs/Ton}}$$

where

V_i = VOC content in pounds per gallon of each lubricating oil, subject to the following limitation: $V_i \leq 5.75$ lbs VOC/gallon;

G_i = Gallons used of each lubricating oil for the rolling 12 month period.

n = Total number of unique lubricating oils employed during the rolling 12-month period.

III. Monitoring and/or Recordkeeping Requirements

The permittee shall maintain monthly records of the following information for emissions units P107 through P114 and P117 through P140, combined:

1. the company name and identification for each lubricating oil employed;
2. whether or not each liquid organic materials employed have boiling points exceeding 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure or the materials have been exposed to temperatures exceeding 220 degrees Fahrenheit;
3. the volume, in gallons, of each lubricating oil employed;
4. the VOC content of each lubricating oil employed, in pounds per gallon; and
5. the rolling 12-month summation of VOC emissions from the lubricating oils employed, i.e., the sum of the usage of each lubricating oil employed multiplied by its respective VOC content.

IV. Reporting Requirements

The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the following:

1. any monthly record showing noncompliance with the liquid organic material usage limitation for this emissions unit, i.e., liquid organic materials must not be exposed to temperatures exceeding 220 degrees Fahrenheit and the boiling points must exceed 200 degrees at 0.5 millimeter mercury absolute pressure per OAC rule 3745-21-07(G)(9)(e);
2. any monthly record showing noncompliance with the VOC content limit for lubricating oils of 5.75 lbs/gallon; and

3. any monthly record showing noncompliance with the rolling, 12-month VOC emissions limit of 10.5 tons for emissions units P107 through P114, and P117 through P140, combined.

V. Testing Requirements

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

1. VOC Content Limitation:
5.75 lbs VOC/gallon of lubricating oil

Applicable Compliance Method:

Formulation data or USEPA Method 24 shall be used to determine the volatile organic compound content of materials added to this emissions unit.

2. Emission Limitation:
VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with this limitation shall be based upon compliance with the grouped annual limit for P107 through P114 and P117 through P140, combined.

VI. Miscellaneous Requirements

1. Lubricating oil record keeping and reporting requirements in this permit apply only to VOC-containing lubricants (i.e. lubricants with a VOC content greater than zero).
2. Emission units P117 through P140 refer to 24 stamping presses installed prior to 1974 and not subject to the requirement to have a permit to install. These units are included under the group emission limit to harmonize these terms with the yet-to-be-issued permit to operate. It is the intent of each term referring to these 24 presses to include their emissions within the group limit, record keeping and reporting requirements for presses in this permit.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P112 - Stamping Press 1-302		

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P113 - Stamping Press 1-227	OAC rule 3745-31-05(A)(3)	The volatile organic compound (VOC) content of lubricating oils shall not exceed 5.75 pounds per gallon.
	OAC rule 3745-31-05(C)	VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.
	OAC rule 3745-21-07(G)	The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.
		See Section A.2.a.

2. Additional Terms and Conditions

- 2.a The liquid organic materials employed by this emissions unit shall not be exposed to temperatures exceeding 220 degrees Fahrenheit, and the boiling points shall exceed 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure. Pursuant to OAC rule 3745-21-07(G)(9)(e), liquid organic materials which exhibit the aforementioned physical properties and are not exposed to temperatures exceeding 220 degrees Fahrenheit are not subject to the requirements of OAC rule 3745-21-07(G).

II. Operational Restrictions

The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.

VOC emissions shall be calculated according to the following equation:

$$10.5 \text{ TPY} \geq \frac{\sum_{i=1}^n (V_i)(G_i)}{2000 \text{ lbs/Ton}}$$

where

V_i = VOC content in pounds per gallon of each lubricating oil, subject to the following limitation: $V_i \leq 5.75$ lbs VOC/gallon;

G_i = Gallons used of each lubricating oil for the rolling 12 month period.

n = Total number of unique lubricating oils employed during the rolling 12-month period.

III. Monitoring and/or Recordkeeping Requirements

The permittee shall maintain monthly records of the following information for emissions units P107 through P114 and P117 through P140, combined:

1. the company name and identification for each lubricating oil employed;
2. whether or not each liquid organic materials employed have boiling points exceeding 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure or the materials have been exposed to temperatures exceeding 220 degrees Fahrenheit;
3. the volume, in gallons, of each lubricating oil employed;
4. the VOC content of each lubricating oil employed, in pounds per gallon; and
5. the rolling 12-month summation of VOC emissions from the lubricating oils employed, i.e., the sum of the usage of each lubricating oil employed multiplied by its respective VOC content.

IV. Reporting Requirements

The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the following:

1. any monthly record showing noncompliance with the liquid organic material usage limitation for this emissions unit, i.e., liquid organic materials must not be exposed to temperatures exceeding 220 degrees Fahrenheit and the boiling points must exceed 200 degrees at 0.5 millimeter mercury absolute pressure per OAC rule 3745-21-07(G)(9)(e);
2. any monthly record showing noncompliance with the VOC content limit for lubricating oils of

5.75 lbs/gallon; and

3. any monthly record showing noncompliance with the rolling, 12-month VOC emissions limit of 10.5 tons for emissions units P107 through P114, and P117 through P140, combined.

V. Testing Requirements

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

1. VOC Content Limitation:
5.75 lbs VOC/gallon of lubricating oil

Applicable Compliance Method:

Formulation data or USEPA Method 24 shall be used to determine the volatile organic compound content of materials added to this emissions unit.

2. Emission Limitation:
VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with this limitation shall be based upon compliance with the grouped annual limit for P107 through P114 and P117 through P140, combined.

VI. Miscellaneous Requirements

1. Lubricating oil record keeping and reporting requirements in this permit apply only to VOC-containing lubricants (i.e. lubricants with a VOC content greater than zero).
2. Emission units P117 through P140 refer to 24 stamping presses installed prior to 1974 and not subject to the requirement to have a permit to install. These units are included under the group emission limit to harmonize these terms with the yet-to-be-issued permit to operate. It is the intent of each term referring to these 24 presses to include their emissions within the group limit, record keeping and reporting requirements for presses in this permit.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P113 - Stamping Press 1-227		

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P114 - Stamping Press 1-237	OAC rule 3745-31-05(A)(3)	The volatile organic compound (VOC) content of lubricating oils shall not exceed 5.75 pounds per gallon. VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.
	OAC rule 3745-31-05(C)	The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.
	OAC rule 3745-21-07(G)	See Section A.2.a.

2. Additional Terms and Conditions

- 2.a The liquid organic materials employed by this emissions unit shall not be exposed to temperatures exceeding 220 degrees Fahrenheit, and the boiling points shall exceed 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure. Pursuant to OAC rule 3745-21-07(G)(9)(e), liquid organic materials which exhibit the aforementioned physical properties and are not exposed to temperatures exceeding 220 degrees Fahrenheit are not subject to the requirements of OAC rule 3745-21-07(G).

II. Operational Restrictions

The combined VOC emissions shall not exceed 10.5 tons as a rolling, 12-month summation for emissions units P107 through P114, inclusive, and P117 through P140, inclusive.

VOC emissions shall be calculated according to the following equation:

$$10.5 \text{ TPY} \geq \frac{\sum_{i=1}^n (V_i)(G_i)}{2000 \text{ lbs/Ton}}$$

where

V_i = VOC content in pounds per gallon of each lubricating oil, subject to the following limitation: $V_i \leq 5.75$ lbs VOC/gallon;

G_i = Gallons used of each lubricating oil for the rolling 12 month period.

n = Total number of unique lubricating oils employed during the rolling 12-month period.

III. Monitoring and/or Recordkeeping Requirements

The permittee shall maintain monthly records of the following information for emissions units P107 through P114 and P117 through P140, combined:

1. the company name and identification for each lubricating oil employed;
2. whether or not each liquid organic materials employed have boiling points exceeding 200 degrees Fahrenheit at 0.5 millimeter mercury absolute pressure or the materials have been exposed to temperatures exceeding 220 degrees Fahrenheit;
3. the volume, in gallons, of each lubricating oil employed;
4. the VOC content of each lubricating oil employed, in pounds per gallon; and
5. the rolling 12-month summation of VOC emissions from the lubricating oils employed, i.e., the sum of the usage of each lubricating oil employed multiplied by its respective VOC content.

IV. Reporting Requirements

The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the following:

1. any monthly record showing noncompliance with the liquid organic material usage limitation for this emissions unit, i.e., liquid organic materials must not be exposed to temperatures exceeding 220 degrees Fahrenheit and the boiling points must exceed 200 degrees at 0.5 millimeter mercury absolute pressure per OAC rule 3745-21-07(G)(9)(e);
2. any monthly record showing noncompliance with the VOC content limit for lubricating oils of 5.75 lbs/gallon; and

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3. any monthly record showing noncompliance with the rolling, 12-month VOC emissions limit of 10.5 tons for emissions units P107 through P114, and P117 through P140, combined.

V. Testing Requirements

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

1. VOC Content Limitation:
5.75 lbs VOC/gallon of lubricating oil

Applicable Compliance Method:

Formulation data or USEPA Method 24 shall be used to determine the volatile organic compound content of materials added to this emissions unit.

2. Emission Limitation:
VOC emissions from this emissions unit shall not exceed 10.5 tons as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with this limitation shall be based upon compliance with the grouped annual limit for P107 through P114 and P117 through P140, combined.

VI. Miscellaneous Requirements

1. Lubricating oil record keeping and reporting requirements in this permit apply only to VOC-containing lubricants (i.e. lubricants with a VOC content greater than zero).
2. Emission units P117 through P140 refer to 24 stamping presses installed prior to 1974 and not subject to the requirement to have a permit to install. These units are included under the group emission limit to harmonize these terms with the yet-to-be-issued permit to operate. It is the intent of each term referring to these 24 presses to include their emissions within the group limit, record keeping and reporting requirements for presses in this permit.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P114 - Stamping Press 1-237		

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P115 - Screen Washer A	OAC rule 3745-31-05(A)(3)	The volatile organic compound (VOC) content of the cleaning solution shall not exceed 8.5 lbs VOC/gallon.
	OAC rule 3745-31-05(C)	VOC emissions from this emission units shall not exceed 22.0 tons per rolling 12-month period.
	40 CFR Part 63, Subpart M	VOC emissions from emission units P115 and P116 combined shall not exceed 22.0 tons per rolling 12-month period.
	40 CFR Part 63, Subpart M	See Part II.A of this permit

2. Additional Terms and Conditions

2.a None.

II. Operational Restrictions

1. As of the applicable compliance date from 40 CFR Part 63, Subpart M, the permittee shall employ all applicable operating limits and work practice standards detailed in §§63.3892 and 63.3893 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for emissions units P115 and P116, combined:
 - a. the company name or identification for each cleaning solution employed;
 - b. the volume, in gallons, of each cleaning solution employed;
 - c. the VOC content of each cleaning solution employed, in pounds per gallon;
 - d. the rolling 12-month summation of VOC emissions from the cleaning solution employed, prior to any credit claimed for solvent recycling i.e., the sum of the usage of each cleaning solution employed multiplied by its respective VOC content.
2. If a credit for recovered cleaning solution is used to demonstrate compliance and/or used in the calculation of rolling, 12 month emission calculations, the permittee shall maintain the following records for the recovered cleaning solution, and the recovery drum or tank serving this emissions unit:
 - a. the date recovered materials were first added to the recovery tank/drum and the date the materials from the recovery drum or tank were shipped off site;
 - b. the total amount of material collected and shipped for recycle/recovery and/or disposal at an outside facility, in gallons, on the day it is shipped;
 - c. a record of the VOC content of each cleanup/pan solvent material that is collected for recovery, in pounds per gallon, or a record of the testing results of the VOC content of the material shipped;
 - d. the mass (lbs) of VOC to be credited to the rolling, 12 month emissions summation, from each shipment of recovered material, calculated using the lowest VOC content of any cleanup/pan solvent material recovered, unless a higher VOC content is established from the testing results of the recovered material shipped (i.e., b x c), and the date of each such shipment or record of credit; and
 - e. the record of the total amount of VOC emissions (lbs or tons) that may be applied as a credit, for the materials shipped for recycle/recovery and/or disposal at an outside facility, summed from the records of the VOC emission credits (d), for each shipment recorded during the rolling 12 month period.
3. As of the applicable compliance date from 40 CFR Part 63, Subpart M, the permittee shall collect and keep all applicable records of the data and information detailed in §63.3930 of that subpart in the manner detailed in §63.3931 of that subpart, provided the facility meets the

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definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M MMM.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Southwest District Office) in writing of any monthly record showing the use of noncomplying cleaning solution. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Southwest District Office) within 30 days following the end of the calendar month.
2. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12-month limitation upon VOC emissions for emission units P115 and P116 combined of 22 tons.
3. As of the applicable compliance dates from 40 CFR Part 63, Subpart M MMM, the permittee shall submit all applicable reports and notifications detailed in §§63.3910 and 63.3920 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M MMM.

V. Testing Requirements

Compliance with the terms and conditions of this permit shall be demonstrated according to the following:

1. Emission Limitation:
The volatile organic compound (VOC) content of the cleaning solution shall not exceed 8.5 lbs VOC/gallon.

Applicable Compliance Method:

Formulation data or USEPA Method 24 shall be used to determine the VOC content of the cleaning solutions. The record keeping requirements contained in Section III.1. shall demonstrate that only materials with these VOC content limitations are applied.

2. Emission Limitation:
VOC emissions from emission units P115 and P116 combined shall not exceed 22.0 tons per rolling 12-month period.

Equation:

$$22.0 \text{ TPY} \geq \frac{\sum_{i=1}^n (V_i)(G_i)}{2000 \text{ lbs/Ton}} - [(R_w)(P_o)(VOC_o)]$$

where

V_i = VOC content in pounds per gallon of each cleaning solution, subject to the following

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limitation: $V_i \leq 8.5$ lbs VOC/gallon;

G_i = Gallons used of each cleaning solution for the rolling 12 month period

n = total number of unique cleaning solutions employed in emission units P115 and P116

R_w = ratio of solvent used on Emission units K005 through K009 to (total solvent used on all Emission units - the amount of solvent used on Emission unit K045)

P_o = total gallons of recovered solvents less the gallons of solvent recovered from Emission unit K045, for the subject time period

VOC_o = VOC content of recovered solvents in pounds of VOC per gallon

Applicable Compliance Method:

Compliance with the rolling, 12-month VOC emissions limitation shall be determined through the record keeping requirements established in Part II - Section C. of this permit.

3. Emission Limitation:

VOC emissions from this emission units shall not exceed 22.0 tons per rolling 12-month period.

Applicable Compliance Method:

Compliance with this limitation shall be based upon compliance with the grouped annual limit for P115 and P116.

4. Emission Limitation:

The permittee is subject to the HAP content limitations detailed in 40 CFR Part 63, Subpart Mmmm §63.3890 as of the applicable compliance date detailed in that subpart.

Applicable Compliance Method:

As of the applicable compliance date from 40 CFR Part 63, Subpart Mmmm, the permittee shall demonstrate compliance using the applicable methods detailed in §63.3940 through §63.3968 inclusive, of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart Mmmm.

VI. Miscellaneous Requirements

None.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P115 - Screen Washer A		

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 emissions unit (K115) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model. 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 (mg/m³): 188.4 mg/m³

Maximum Hourly Emission Rate (g/sec): 0.63

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1,418

MAGLC (ug/m3): 4,480

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 (typically for coatings or cleanup materials), 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 composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

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(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

2. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"
 - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
 - b. documentation of its evaluation and determination that the changed emissions unit still

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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

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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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P116 - Screen Washer B	OAC rule 3745-31-05(A)(3)	The volatile organic compound (VOC) content of the cleaning solution shall not exceed 8.5 lbs VOC/gallon.
	OAC rule 3745-31-05(C)	VOC emissions from this emission units shall not exceed 22.0 tons per rolling 12-month period.
	40 CFR Part 63, Subpart M	VOC emissions from emission units P115 and P116 combined shall not exceed 22.0 tons per rolling 12-month period.
	40 CFR Part 63, Subpart M	See Part II.A of this permit

2. Additional Terms and Conditions

2.a None.

II. Operational Restrictions

1. As of the applicable compliance date from 40 CFR Part 63, Subpart M, the permittee shall employ all applicable operating limits and work practice standards detailed in §§63.3892 and 63.3893 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for emissions units P115 and P116, combined:
 - a. the company name and identification for each cleaning solution employed;
 - b. the volume, in gallons, of each cleaning solution employed;
 - c. the VOC content of each cleaning solution employed, in pounds per gallon;
 - d. the rolling 12-month summation of VOC emissions from the cleaning solution employed, prior to any credit claimed for solvent recycling i.e., the sum of the usage of each cleaning solution employed multiplied by its respective VOC content.
2. If a credit for recovered cleaning solution is used to demonstrate compliance and/or used in the calculation of rolling, 12 month emission calculations, the permittee shall maintain the following records for the recovered cleaning solution, and the recovery drum or tank serving this emissions unit:
 - a. the date recovered materials were first added to the recovery tank/drum and the date the materials from the recovery drum or tank were shipped off site;
 - b. the total amount of material collected and shipped for recycle/recovery and/or disposal at an outside facility, in gallons, on the day it is shipped;
 - c. a record of the VOC content of each cleanup/pan solvent material that is collected for recovery, in pounds per gallon, or a record of the testing results of the VOC content of the material shipped;
 - d. the mass (lbs) of VOC to be credited to the rolling, 12 month emissions summation, from each shipment of recovered material, calculated using the lowest VOC content of any cleanup/pan solvent material recovered, unless a higher VOC content is established from the testing results of the recovered material shipped (i.e., b x c), and the date of each such shipment or record of credit; and
 - e. the record of the total amount of VOC emissions (lbs or tons) that may be applied as a credit, for the materials shipped for recycle/recovery and/or disposal at an outside facility, summed from the records of the VOC emission credits (d), for each shipment recorded during the rolling 12 month period.
3. As of the applicable compliance date from 40 CFR Part 63, Subpart M, the permittee shall collect and keep all applicable records of the data and information detailed in §63.3930 of that subpart in the manner detailed in §63.3931 of that subpart, provided the facility meets the

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definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M MMM.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Southwest District Office) in writing of any monthly record showing the use of noncomplying cleaning solution. These notifications shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Southwest District Office) within 30 days following the end of the calendar month.
2. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12-month limitation upon VOC emissions for emission units P115 and P116 combined of 22 tons.
3. As of the applicable compliance dates from 40 CFR Part 63, Subpart M MMM, the permittee shall submit all applicable reports and notifications detailed in §§63.3910 and 63.3920 of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart M MMM.

V. Testing Requirements

Compliance with the terms and conditions of this permit shall be demonstrated according to the following:

1. Emission Limitation:
The volatile organic compound (VOC) content of the cleaning solution shall not exceed 8.5 lbs VOC/gallon.

Applicable Compliance Method:

Formulation data or USEPA Method 24 shall be used to determine the VOC content of the cleaning solutions. The record keeping requirements contained in Section III.1. shall demonstrate that only materials with these VOC content limitations are applied.

2. Emission Limitation:
VOC emissions from emission units P115 and P116 combined shall not exceed 22.0 tons per rolling 12-month period.

Equation:

$$22.0 \text{ TPY} \geq \frac{\sum_{i=1}^n (V_i)(G_i)}{2000 \text{ lbs/Ton}} - [(R_w)(P_o)(VOC_o)]$$

where

V_i = VOC content in pounds per gallon of each cleaning solution, subject to the following

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limitation: $V_i \leq 8.5$ lbs VOC/gallon;

G_i = Gallons used of each cleaning solution for the rolling 12 month period

n = total number of unique cleaning solutions employed in emission units P115 and P116

R_w = ratio of solvent used on Emission units K005 through K009 to (total solvent used on all Emission units - the amount of solvent used on Emission unit K045)

P_o = total gallons of recovered solvents less the gallons of solvent recovered from Emission unit K045, for the subject time period

VOC_o = VOC content of recovered solvents in pounds of VOC per gallon

Applicable Compliance Method:

Compliance with the rolling, 12-month VOC emissions limitation shall be determined through the record keeping requirements established in Part II - Section C. of this permit.

3. Emission Limitation:

VOC emissions from this emission units shall not exceed 22.0 tons per rolling 12-month period.

Applicable Compliance Method:

Compliance with this limitation shall be based upon compliance with the grouped annual limit for P115 and P116.

4. Emission Limitation:

The permittee is subject to the HAP content limitations detailed in 40 CFR Part 63, Subpart MMMM §63.3890 as of the applicable compliance date detailed in that subpart.

Applicable Compliance Method:

As of the applicable compliance date from 40 CFR Part 63, Subpart MMMM, the permittee shall demonstrate compliance using the applicable methods detailed in §63.3940 through §63.3968 inclusive, of that subpart, provided the facility meets the definitions of a subject affected source as defined in §§63.3881 and 63.3882 of 40 CFR Part 63, Subpart MMMM.

VI. Miscellaneous Requirements

None.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P116 - Screen Washer B		

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 emissions unit (K116) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model. 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 (mg/m3): 188.4 mg/m3

Maximum Hourly Emission Rate (g/sec): 0.63

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 2,001

MAGLC (ug/m3): 4,480

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 still 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 (typically for coatings or cleanup materials), 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 composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

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(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

2. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"
 - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
 - b. documentation of its evaluation and determination that the changed emissions unit still

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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

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V. Testing Requirements

None

VI. Miscellaneous Requirements

None