State of Ohio Environmental Protection Agency

STREET ADDRESS:
Lazarus Government Center
50 W. Town St., Suite 700
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184
www.epa.state.oh.us

MAILING ADDRESS:
P.O. Box 1049
Columbus, OH 43216-1049

Certified Mail

10/29/2008

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
No	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

James Combs
Multi-Color Corporation
4053 Clough Woods Drive
Batavia, OH 45103

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1413020513
Permit Number: P0104003
Permit Type: Initial Installation
County: Clermont

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate ("PTIO") which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.state.oh.us/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of $70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

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

If you have any questions regarding this permit, please contact the Hamilton County Dept. of Environmental Services. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.state.oh.us/dapc.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: HCDOES

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

FINAL

Air Pollution Permit-to-Install and Operate
for
Multi-Color Corporation

Facility ID: 1413020513
Permit Number: P0104003
Permit Type: Initial Installation
Issued: 10/29/2008
Effective: 10/29/2008
Expiration: 10/29/2018

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
for
Multi-Color Corporation

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Authorization

Facility ID: 1413020513
Application Number(s): A0036199
Permit Number: P0104003
Permit Description: Flexographic and Offset Lithographic Printing Presses
Permit Type: Initial Installation
Permit Fee: $200.00
Issue Date: 10/29/2008
Effective Date: 10/29/2008
Expiration Date: 10/29/2018
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Multi-Color Corporation
4053 Clough Woods Drive
Batavia, OH 45103

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Hamilton County Dept. of Environmental Services
250 William Howard Taft Pkwy.
Cincinnati, OH 45219-2660
(513)946-7777

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section 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 described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

Authorization (continued)

Permit Number: P0104003
Permit Description: Flexographic and Offset Lithographic Printing Presses

Permits for the following emissions unit(s) or groups of emissions units are in this document as indicated below:

Emissions Unit ID:	**K001**
Company Equipment ID:	Mark Andy 2200 # 1
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**K002**
Company Equipment ID:	Mark Andy 2200 # 2
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**K003**
Company Equipment ID:	MarkAndy 2200 8-Unit
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**K004**
Company Equipment ID:	Omet VF520F1 10-Unit
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**K005**
Company Equipment ID:	Comco Comm 8-Unit
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**K006**
Company Equipment ID:	Comco Comm 10-Unit
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**K007**
Company Equipment ID:	Omet VF670 12-Unit
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**P001**
Company Equipment ID:	Flexo Plate-making
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**R001**
Company Equipment ID:	Komori 7-Unit Press
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**R002**
Company Equipment ID:	Komori 9-Unit Press
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. **What does this permit-to-install and operate ("PTIO") allow me to do?**

   This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. **Who is responsible for complying with this permit?**

   The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

   The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. **What records must I keep under this permit?**

   You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. **What are my permit fees and when do I pay them?**

   There are two fees associated with permitted air contaminant sources in Ohio:

   - PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

     You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

   - Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. **When does my PTIO expire, and when do I need to submit my renewal application?**

   This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.

10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Hamilton County Dept. of Environmental Services in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emission unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the

change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.

B. Facility-Wide Terms and Conditions

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

   a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

      (1) None.

   b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

      (1) None.

C. Emissions Unit Terms and Conditions

1. K001, Mark Andy 2200 # 1

Operations, Property and/or Equipment Description:

Mark Andy 2200 10-Unit No.1 Flexographic Printing Press

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)(a)(ii)	See b)(2)a.
b.	OAC rule 3745-21-09(Y)(2)(d)	See b)(2)b.

(2) Additional Terms and Conditions

a. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the total volatile organic compounds (VOCs) emissions from this air contaminant source since the total uncontrolled potential to emit for VOC emissions is less than ten tons per year.

b. The total maximum usage of VOC in all coatings and inks employed in all flexographic, packaging rotogravure and publication rotogravure printing lines within the facility is less than one hundred tons per year considering the worst case scenario in terms of VOC content of coatings and cleanup materials, maximum hourly rate of coatings and cleanup materials application and assuming 8760 hours per year of operation.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) The USEPA methods 24 and 24A shall be used to determine the VOC content for coatings and cleanup materials. If pursuant to 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A cannot be used for a particular coating or cleanup material, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or cleanup material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Methods 24 or 24A.

(2) Compliance with the Applicable Emissions Limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emissions Limitation</u>

The uncontrolled potential to emit VOC emissions from this air contaminant source is less than ten tons per year.

<u>Application Compliance Method:</u>

Emissions shall be calculated and compliance determined by using the following equations:

[{(5.875 lbs of Water based ink per hour) (10% by wt. of VOC content) (8760 hours of operation per year) (1/2000 ton per pounds)}

+

{(0.06 gallons of Cleanup material per hour) (8760 hours of operation per year) (7.51 lbs/gal of VOC content) (1/2000 ton per pounds)

= 4.54 tons of VOC per year

g) Miscellaneous Requirements

(1) This permit-to-install and operate supersedes permit to install 14-06029 as issued on May 15, 2008.

2. K002, Mark Andy 2200 # 2

Operations, Property and/or Equipment Description:

Mark Andy 2200 10-Unit No. 2 Flexographic Printing Press

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)(a)(ii)	See b)(2)a.
b.	OAC rule 3745-21-09(Y)(2)(d)	See b)(2)b.

(2) Additional Terms and Conditions

a. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the total volatile organic compounds (VOCs) emissions from this air contaminant source since the total uncontrolled potential to emit for VOC emissions is less than ten tons per year.

b. The total maximum usage of VOC in all coatings and inks employed in all flexographic, packaging rotogravure and publication rotogravure printing lines within the facility is less than one hundred tons per year considering the worst case scenario in terms of VOC content of coatings and cleanup materials, maximum hourly rate of coatings and cleanup materials application and assuming 8760 hours per year of operation.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) The USEPA methods 24 and 24A shall be used to determine the VOC content for coatings and cleanup materials. If pursuant to 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A cannot be used for a particular coating or cleanup material, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or cleanup material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Methods 24 or 24A.

(2) Compliance with the Applicable Emissions Limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emissions Limitation</u>

The uncontrolled potential to emit VOC emissions from this air contaminant source is less than ten tons per year.

<u>Application Compliance Method:</u>

Emissions shall be calculated and compliance determined by using the following equations:

[{(5.875 lbs of Water based ink per hour) (10% by wt. of VOC content) (8760 hours of operation per year) (1/2000 ton per pounds)}

+

{(0.06 gallons of Cleanup material per hour) (8760 hours of operation per year) (7.51 lbs/gal of VOC content) (1/2000 ton per pounds)

= 4.54 tons of VOC per year

g) Miscellaneous Requirements

(1) This permit-to-install and operate supersedes permit to install 14-06029 as issued on May 15, 2008.

3. K003, MarkAndy 2200 8-Unit

Operations, Property and/or Equipment Description:

Mark Andy 2200 8-Unit Flexographic Printing Press

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)(a)(ii)	See b)(2)a.
b.	OAC rule 3745-21-09(Y)(2)(d)	See b)(2)b.

(2) Additional Terms and Conditions

a. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the total volatile organic compounds (VOCs) emissions from this air contaminant source since the total uncontrolled potential to emit for VOC emissions is less than ten tons per year.

b. The total maximum usage of VOC in all coatings and inks employed in all flexographic, packaging rotogravure and publication rotogravure printing lines within the facility is less than one hundred tons per year considering the worst case scenario in terms of VOC content of coatings and cleanup materials, maximum hourly rate of coatings and cleanup materials application and assuming 8760 hours per year of operation.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) The USEPA methods 24 and 24A shall be used to determine the VOC content for coatings and cleanup materials. If pursuant to 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A cannot be used for a particular coating or cleanup material, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or cleanup material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Methods 24 or 24A.

(2) Compliance with the Applicable Emissions Limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emissions Limitation</u>

The uncontrolled potential to emit VOC emissions from this air contaminant source is less than ten tons per year.

<u>Application Compliance Method:</u>

Emissions shall be calculated and compliance determined by using the following equations:

[{(4.7 lbs of Water based ink per hour) (10% by wt. of VOC content) (8760 hours of operation per year) (1/2000 ton per pounds)}

+

{(0.05 gallons of Cleanup material per hour) (8760 hours of operation per year) (7.51 lbs/gal of VOC content) (1/2000 ton per pounds)

= 3.70 tons of VOC per year

g) Miscellaneous Requirements

(1) This permit-to-install and operate supersedes permit to install 14-06029 as issued on May 15, 2008.

4. K004, Omet VF520F1 10-Unit

Operations, Property and/or Equipment Description:

Omet VF520F1 10-Unit Flexographic Printing Press

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Volatile Organic Compound (VOC) emissions shall not exceed 1.98 pounds per hour from coating usage only. VOC emissions shall not exceed 11.30 tons per year including cleanup material usage. See b)(2)a., b)(2)b., b)(2)c., b)(2)d. and c)(1).
b.	OAC rule 3745-21-09(Y)(2)(d)	See b)(2)e.

(2) Additional Terms and Conditions

a. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by coating and cleanup material usage restrictions, the VOC content limitations and emissions limitations.

b. The VOC content of each cleanup material shall not exceed 7.51 pounds of VOC per gallon.

c. The VOC content of each coating, as applied, shall not exceed 10% VOC by weight of the coating.

d. The hourly emissions limitations outlined for VOC are based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limitations.

e. The total maximum usage of VOC in all coatings and inks employed in all flexographic, packaging rotogravure and publication rotogravure printing lines within the facility is less than one hundred tons per year considering the worst case scenario in terms of VOC content of coatings and cleanup materials, maximum hourly rate of coatings and cleanup materials application and assuming 8760 hours per year of operation.

c) Operational Restrictions

(1) The maximum annual cleanup material usage for this emissions unit shall not exceed 700 gallons per year.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each month for emissions unit K004:

a. The name and identification number of each coating, as applied.

b. The VOC content of each coating, as applied, in percent by weight.

c. The volume of each coating employed, in pounds.

d. The total volume of all coatings employed, in pounds.

e. The name and identification number of each cleanup material employed.

f. The VOC content of each cleanup material, in pounds per gallon.

g. The volume of each cleanup material employed, in gallons.

h. The total volume of all cleanup materials employed, in gallons.

i. The total VOC emissions from all coatings employed (b x c).

j. The total VOC emissions from all cleanup materials employed (f x g).

k. The total VOC emissions from all coatings and cleanup materials employed, in pounds [(b x c) + (f x g)].

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall

cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) The USEPA methods 24 and 24A shall be used to determine the VOC content for coatings and cleanup materials. If pursuant to 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A cannot be used for a particular coating or cleanup material, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or cleanup material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Methods 24 or 24A.

(2) Compliance with the emissions limitations in b) and usage limitations in c) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emissions Limitation:

VOC emissions shall not exceed 1.98 pounds per hour from coating usage only.

Applicable Compliance Method:

The hourly VOC emissions limitation from coatings usage only was determined by the use of following equation:

[(19.84 pounds of Water based inks per hour) (10% by wt. of VOC content)]

= 1.98 pounds of VOC per hour.

b. Emissions Limitation:

VOC emissions shall not exceed 11.31 tons per year including cleanup materials usage.

Applicable Compliance Method:

The annual VOC emissions limitation including cleanup material usage also was determined by the use of following equation:

[{(19.84 pounds per hour of Water based inks) (10 % by wt. of VOC content) (8760 hours of operation per year) (1/2000 ton per pounds)}

+

{(700 gallons of Cleanup material usage per year) (7.51 pounds of VOC per gallon of Cleanup material) (1/2000 ton per pounds)}]

= 11.31 tons of VOC per year.

(3) Compliance with the operational limitation in term and condition c)(1) shall be demonstrated by the record keeping required in d)(1).

g) Miscellaneous Requirements

(1) This permit-to-install and operate supersedes permit to install 14-06029 as issued on May 15, 2008.

5. K005, Comco Comm 8-Unit

Operations, Property and/or Equipment Description:

Comco Commander 8-Unit Flexographic Printing Press

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)(a)(ii)	See b)(2)a.
b.	OAC rule 3745-21-09(Y)(2)(d)	See b)(2)b.

(2) Additional Terms and Conditions

a. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the total volatile organic compounds (VOCs) emissions from this air contaminant source since the total uncontrolled potential to emit for VOC emissions is less than ten tons per year.

b. The total maximum usage of VOC in all coatings and inks employed in all flexographic, packaging rotogravure and publication rotogravure printing lines within the facility is less than one hundred tons per year considering the worst case scenario in terms of VOC content of coatings and cleanup materials, maximum hourly rate of coatings and cleanup materials application and assuming 8760 hours per year of operation.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) The USEPA methods 24 and 24A shall be used to determine the VOC content for coatings and cleanup materials. If pursuant to 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A cannot be used for a particular coating or cleanup material, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or cleanup material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Methods 24 or 24A.

(2) Compliance with the Applicable Emissions Limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emissions Limitation</u>

The uncontrolled potential to emit VOC emissions from this air contaminant source is less than ten tons per year.

<u>Application Compliance Method:</u>

Emissions shall be calculated and compliance determined by using the following equations:

[{(12.5 lbs of UV Ink/coating/adhesive per hour) (1% by wt. of VOC content) (8760 hours of operation per year) (1/2000 ton per pounds)}

+

{(0.07 gallons of Cleanup material per hour) (8760 hours of operation per year) (7.51 lbs/gal of VOC content) (1/2000 ton per pounds)

= 2.85 tons of VOC per year

g) Miscellaneous Requirements

(1) This permit-to-install and operate supersedes permit to install 14-06029 as issued on May 15, 2008.

6. K006, Comco Comm 10-Unit

Operations, Property and/or Equipment Description:

Comco Commander 10-Unit Flexographic Printing Press

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)(a)(ii)	See b)(2)a.
b.	OAC rule 3745-21-09(Y)(2)(d)	See b)(2)b.

(2) Additional Terms and Conditions

a. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the total volatile organic compounds (VOCs) emissions from this air contaminant source since the total uncontrolled potential to emit for VOC emissions is less than ten tons per year.

b. The total maximum usage of VOC in all coatings and inks employed in all flexographic, packaging rotogravure and publication rotogravure printing lines within the facility is less than one hundred tons per year considering the worst case scenario in terms of VOC content of coatings and cleanup materials, maximum hourly rate of coatings and cleanup materials application and assuming 8760 hours per year of operation.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) The USEPA methods 24 and 24A shall be used to determine the VOC content for coatings and cleanup materials. If pursuant to 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A cannot be used for a particular coating or cleanup material, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or cleanup material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Methods 24 or 24A.

(2) Compliance with the Applicable Emissions Limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emissions Limitation</u>

The uncontrolled potential to emit VOC emissions from this air contaminant source is less than ten tons per year.

<u>Application Compliance Method:</u>

Emissions shall be calculated and compliance determined by using the following equations:

[{(15.63 lbs of UV Ink/coating/adhesive per hour) (1% by wt. of VOC content) (8760 hours of operation per year) (1/2000 ton per pounds)}

+

{(0.08 gallons of Cleanup material per hour) (8760 hours of operation per year) (7.51 lbs/gal of VOC content) (1/2000 ton per pounds)

= 3.31 tons of VOC per year

g) Miscellaneous Requirements

(1) This permit-to-install and operate supersedes permit to install 14-06029 as issued on May 15, 2008.

7. K007, Omet VF670 12-Unit

Operations, Property and/or Equipment Description:

Omet VF670 12-Unit Flexographic Rotogravure Printing Press

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Volatile Organic Compound (VOC) emissions shall not exceed 7.02 pounds per hour from coating usage only. VOC emissions shall not exceed 33.90 tons per year including cleanup material usage. See b)(2)a., b)(2)b., b)(2)c., b)(2)d. and c)(1).
b.	OAC rule 3745-21-09(Y)(2)(d)	See b)(2)e.

(2) Additional Terms and Conditions

a. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by coating and cleanup material usage restrictions, the VOC content limitations and emissions limitations.

b. The VOC content of each cleanup material shall not exceed 7.51 pounds of VOC per gallon.

c. The VOC content of each coating, as applied, shall not exceed 90% VOC by weight of the coating.

d. The hourly emissions limitations outlined for VOC are based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limitations.

e. The total maximum usage of VOC in all coatings and inks employed in all flexographic, packaging rotogravure and publication rotogravure printing lines within the facility is less than one hundred tons per year considering the worst case scenario in terms of VOC content of coatings and cleanup materials, maximum hourly rate of coatings and cleanup materials application and assuming 8760 hours per year of operation.

c) Operational Restrictions

(1) The maximum annual cleanup material usage for this emissions unit shall not exceed 840 gallons per year.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each month for emissions unit K007:

a. The name and identification number of each coating, as applied.

b. The VOC content of each coating, as applied, in percent by weight.

c. The volume of each coating employed, in pounds.

d. The total volume of all coatings employed, in pounds.

e. The name and identification number of each cleanup material employed.

f. The VOC content of each cleanup material, in pounds per gallon.

g. The volume of each cleanup material employed, in gallons.

h. The total volume of all cleanup materials employed, in gallons.

i. The total VOC emissions from all coatings employed (b x c).

j. The total VOC emissions from all cleanup materials employed (f x g).

k. The total VOC emissions from all coatings and cleanup materials employed, in pounds [(b x c) + (f x g)].

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) The USEPA methods 24 and 24A shall be used to determine the VOC content for coatings and cleanup materials. If pursuant to 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A cannot be used for a particular coating or cleanup material, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or cleanup material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Methods 24 or 24A.

(2) Compliance with the emissions limitations in b)(1) and usage limitations in c)(1) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emissions Limitation:

VOC emissions shall not exceed 7.02 pounds per hour from coating usage only.

Applicable Compliance Method:

The hourly VOC emissions limitation from coatings usage only was determined by the use of following equation:

[(7.8 pounds of Solvent based adhesive per hour) (90% by wt. of VOC content)]

= 7.02 pounds of VOC per hour.

b. Emissions Limitation:

VOC emissions shall not exceed 33.90 tons per year including cleanup materials usage.

Applicable Compliance Method:

The annual VOC emissions limitation including cleanup material usage also was determined by the use of following equation:

[{(7.8 pounds per hour of Solvent based adhesive) (90 % by wt. of VOC content) (8760 hours of operation per year) (1/2000 ton per pounds)}

+

{(840 gallons of Cleanup material usage per year) (7.51 pounds of VOC per gallon of Cleanup material) (1/2000 ton per pounds)}]

= 33.90 tons of VOC per year.

(3) Compliance with the operational limitation in term and condition c)(1) shall be demonstrated by the record keeping required in term and condition d)(1).

g) Miscellaneous Requirements

(1) This permit-to-install and operate supersedes permit to install 14-06029 as issued on May 15, 2008.

8. P001, Flexo Plate-making

Operations, Property and/or Equipment Description:

Flexographic Plate-making System

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)(a)(ii)	See b)(2)a.

(2) Additional Terms and Conditions

a. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the total volatile organic compounds (VOCs) emissions from this air contaminant source since the total uncontrolled potential to emit for VOC emissions is less than ten tons per year.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee

shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) The USEPA methods 24 and 24A shall be used to determine the VOC content for coatings and cleanup materials. If pursuant to 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A cannot be used for a particular coating or cleanup material, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or cleanup material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Methods 24 or 24A.

(2) Compliance with the Applicable Emissions Limitations in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation

The uncontrolled potential to emit VOC emissions from this air contaminant source is less than ten tons per year.

Application Compliance Method:

Emissions shall be calculated and compliance determined by using the following equations:

[{(0.15 gallon per hour of Processing solvent) (7.26 pounds of VOC per gallon of Processing solvent) (8760 hours of operation per year) (1/2000 ton per pounds)}

+

{(0.01 gallon per hour of Cleanup material) (8760 hours of operation per year) (7.51 pounds of VOC per gallon of cleanup material) (1/2000 ton per pounds)

= 5.10 tons of VOC per year

g) Miscellaneous Requirements

(1) This permit-to-install and operate supersedes permit to install 14-06029 as issued on May 15, 2008.

9. R001, Komori 7-Unit Press

Operations, Property and/or Equipment Description:

Komori 7-Unit Sheetfed Offset Lithograhic Printing Press with Flexographic Coater

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Volatile Organic Compound (VOC) emissions shall not exceed 0.74 pound per hour from coating usage only. VOC emissions shall not exceed 7.52 tons per year including cleanup material usage. See terms b)(2)a., b)(2)b., b)(2)c., b)(2)d. and c)(1).
b.	OAC rule 3745-21-09(Y)(2)(d)	See term b)(2)e.

(2) Additional Terms and Conditions

a. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by coating and cleanup material usage restrictions, the VOC content limitations and emissions limitations.

b. The VOC content of each cleanup material shall not exceed 7.51 pounds of VOC per gallon.

c. The VOC content of each coating, as applied, shall not exceed 7.4 pounds per gallon.

d. The hourly emissions limitations outlines for VOC are based upon the emissions unit's potential to emit. Therefore, no records are required to demonstrate compliance with these limitations.

e. The total maximum usage of VOC in all coatings and inks employed in all flexographic, packaging rotogravure and publication rotogravure printing lines within the facility is less than one hundred tons per year considering the worst case scenario in terms of VOC content of coatings and cleanup materials, maximum hourly rate of coatings and cleanup materials application and assuming 8760 hours per year of operation.

c) Operational Restrictions

(1) The maximum annual cleanup material usage for this emissions unit shall not exceed 1140 gallons per year.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each month for emissions unit R001:

a. The name and identification number of each coating, as applied.

b. The VOC content of each coating, as applied, in pounds per gallon.

c. The volume of each coating employed, in gallons.

d. The total volume of all coatings employed, in gallons.

e. The name and identification number of each cleanup material employed.

f. The VOC content of each cleanup material, in pounds per gallon.

g. The volume of each cleanup material employed, in gallons.

h. The total volume of all cleanup materials employed, in gallons.

i. The total VOC emissions from all coatings employed (b x c).

j. The total VOC emissions from all cleanup materials employed (f x g).

k. The total VOC emissions from all coatings and cleanup materials employed, in pounds [(b x c) + (f x g)].

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) The USEPA methods 24 and 24A shall be used to determine the VOC content for coatings and cleanup materials. If pursuant to 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A cannot be used for a particular coating or cleanup material, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or cleanup material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Methods 24 or 24A.

(2) Compliance with the emissions limitations in b)(1) and usage limitations in c)(1) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emissions Limitation:

VOC emissions shall not exceed 0.74 pound per hour from coating usage only.

Applicable Compliance Method:

The hourly VOC emissions limitation from coatings usage only was determined by the use of following equation:

[(0.1 gallon of Fountain solution alcohol substitute per hour) (7.4 pounds of VOC per gallon)]

= 0.74 pounds of VOC per hour.

b. Emissions Limitation:

VOC emissions shall not exceed 7.52 tons per year including cleanup materials usage.

Applicable Compliance Method:

The annual VOC emissions limitation including cleanup material usage was determined by the use of following equation:

[{(0.1 gallon of Fountain solution alcohol substitute per hour) (7.4 pounds of VOC per gallon of Fountain solution alcohol substitute) (8760 hours per year of operation) (1/2000 ton per pounds)}

+

{(1140 gallons per year of Cleanup material) (7.51 pounds of VOC per gallon of Cleanup material) (1/2000 ton per pounds)}]

= 7.52 tons of VOC per year.

(3) Compliance with the operational limitation in term and condition c)(1) shall be demonstrated by the record keeping required in term and condition d)(1).

g) Miscellaneous Requirements

(1) This permit-to-install and operate supersedes permit to install 14-06029 as issued on May 15, 2008.

10. R002, Komori 9-Unit Press

Operations, Property and/or Equipment Description:

Komori 9-Unit Sheetfed Offset Lithographic Printing Press with Flexographic Coater

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Volatile Organic Compound (VOC) emissions shall not exceed 0.96 pound per hour from coating usage only. VOC emissions shall not exceed 9.65 tons per year including cleanup material usage. See terms b)(2)a., b)(2)b., b)(2)c., b)(2)d. and c)(1).
b.	OAC rule 3745-21-09(Y)(2)(d)	See b)(2)e.

(2) Additional Terms and Conditions

a. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by coating and cleanup material usage restrictions, the VOC content limitations and emissions limitations.

b. The VOC content of each cleanup material shall not exceed 7.51 pounds of VOC per gallon.

c. The VOC content of each coating, as applied, shall not exceed 7.4 pounds per gallon.

d. The hourly emissions limitations outlines for VOC are based upon the emissions unit's potential to emit. Therefore, no records are required to demonstrate compliance with these limitations.

e. The total maximum usage of VOC in all coatings and inks employed in all flexographic, packaging rotogravure and publication rotogravure printing lines within the facility is less than one hundred tons per year considering the worst case scenario in terms of VOC content of coatings and cleanup materials, maximum hourly rate of coatings and cleanup materials application and assuming 8760 hours per year of operation.

c) Operational Restrictions

(1) The maximum annual cleanup material usage for this emissions unit shall not exceed 1448 gallons per year.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each month for emissions unit R002:

a. The name and identification number of each coating, as applied.

b. The VOC content of each coating, as applied, in pounds per gallon.

c. The volume of each coating employed, in gallons.

d. The total volume of all coatings employed, in gallons.

e. The name and identification number of each cleanup material employed.

f. The VOC content of each cleanup material, in pounds per gallon.

g. The volume of each cleanup material employed, in gallons.

h. The total volume of all cleanup materials employed, in gallons.

i. The total VOC emissions from all coatings employed (b x c).

j. The total VOC emissions from all cleanup materials employed (f x g).

k. The total VOC emissions from all coatings and cleanup materials employed, in pounds [(b x c) + (f x g)].

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) The USEPA methods 24 and 24A shall be used to determine the VOC content for coatings and cleanup materials. If pursuant to 40 CFR Part 60, Appendix A, the permittee determines that Method 24 or 24A cannot be used for a particular coating or cleanup material, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or cleanup material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Methods 24 or 24A.

(2) Compliance with the emissions limitations in b)(1) and usage limitations in c)(1) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emissions Limitation:

VOC emissions shall not exceed 0.96 pound per hour from coating usage only.

Applicable Compliance Method:

The hourly VOC emissions limitation from coatings usage only was determined by the use of following equation:

[(0.13 gallon of Fountain solution alcohol substitute per hour) (7.4 pounds of VOC per gallon)]

= 0.96 pound of VOC per hour.

b. Emissions Limitation:

VOC emissions shall not exceed 9.65 tons per year including cleanup materials usage.

Applicable Compliance Method:

The annual VOC emissions limitation including cleanup material usage was determined by the use of following equation:

[{(0.13 gallon of Fountain solution alcohol substitute per hour) (7.4 pounds of VOC per gallon of Fountain solution alcohol substitute) (8760 hours per year of operation) (1/2000 ton per pounds)}

+

{(1448 gallons per year of Cleanup material) (7.51 pounds of VOC per gallon of Cleanup material) (1/2000 ton per pounds)}]

= 9.65 tons of VOC per year.

(3) Compliance with the operational limitation in term and condition c)(1) shall be demonstrated by the record keeping required in term and condition d)(1).

g) Miscellaneous Requirements

(1) This permit-to-install and operate supersedes permit to install 14-06029 as issued on May 15, 2008.