Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

3/15/2012

Pamela Blakley *Via E-Mail Notification*
United States Environmental Protection Agency
Mail Code: AR-18J
77 West Jackson Blvd.

Chicago, IL 60604-3507

RE: PROPOSED AIR POLLUTION TITLE V PERMIT
Facility Name: Spinnaker Coating LLC
Facility ID: 0855140083
Permit Type: Renewal
Permit Number: P0092372

Dear Ms. Blakley:

A proposed OAC Chapter 3745-77 Title V permit for the referenced facility has been issued for review by U.S. EPA. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page http://www.epa.ohio.gov/dapc in Microsoft Word and Adobe Acrobat format. If U.S. EPA does not object to this proposed permit, the permit will be processed for issuance as a final action not less than 45 days from the date of this letter. Please contact me at (614) 644-3631 by the end of the 45 day review period if you wish to object to the proposed permit.

Sincerely,

Michael W. Ahern

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

Cc: Regional Air Pollution Control Agency

50 West Town Street, Suite 700
P.O. Box 1049
Columbus, OH 43216-1049

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www.epa.ohio.gov

Ohio | Environmental Protection Agency

PROPOSED

Division of Air Pollution Control
Title V Permit
for
Spinnaker Coating LLC

Facility ID:	0855140083
Permit Number:	P0092372
Permit Type:	Renewal
Issued:	3/15/2012
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Ohio Environmental Protection Agency

Division of Air Pollution Control
Title V Permit
for
Spinnaker Coating LLC

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Authorization

Facility ID: 0855140083
Facility Description:
Application Number(s): A0023802, A0043648
Permit Number: P0092372
Permit Description: Renewal Title V permit for Spinnaker Coating LLC that operates flexographic printing presses and adhesive paper coaters.
Permit Type: Renewal
Issue Date: 3/15/2012
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Superseded Permit Number: P0092371

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

Spinnaker Coating LLC
518 East Water Street
Troy, OH 45373-0370

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

Regional Air Pollution Control Agency
117 South Main Street
Dayton, OH 45422-1280
(937)225-4435

The above named entity is hereby granted a Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Regional Air Pollution Control Agency. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months (540 days) and no later than 6 months (180 days) prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions

(2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions

(3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting

(4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(Authority for term: ORC 3704.036(A))

2. Monitoring and Related Record Keeping and Reporting Requirements

a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit), the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

(1) The date, place (as defined in the permit), and time of sampling or measurements.

(2) The date(s) analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) The operating conditions existing at the time of sampling or measurement.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

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 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.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c) The permittee shall submit required reports in the following manner:

(1) All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions of this Title V permit), all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive

measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this Standard Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(3) All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with Standard Term and Condition A.2)c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the

insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with Standard Term and Condition A.2.c)(2) above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

(4) 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 (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."

(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

(5) Reports of any required monitoring and/or record keeping information shall be submitted to Regional Air Pollution Control Agency.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

4. Risk Management Plans

If applicable, the permittee shall 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"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

a) a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

b) as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

(Authority for term: OAC rule 3745-77-07(A)(4))

5. 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.

(Authority for term: OAC rule 3745-77-07(A)(5))

6. 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.

(Authority for term: OAC rule 3745-77-07(A)(6))

7. 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, in accordance with Standard Term and Condition A.11 below. 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.

(1) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or

(2) the permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or

(3) a combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminent sources once this permit ceases to be enforceable. The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.

(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. 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.

(Authority for term: OAC rule 3745-77-07(A)(8))

9. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

(Authority for term: OAC rule 3745-77-07(A)(9))

10. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these standard terms and conditions shall apply to all operating scenarios authorized in this permit.

(Authority for term: OAC rule 3745-77-07(A)(10))

11. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

a) Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b) This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c) The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d) The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

12. 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.

(Authority for term: OAC rule 3745-77-07(B))

13. Compliance Requirements

a) Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V 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:

(1) 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.

(2) 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 paragraph (E) of OAC rule 3745-77-03.

(3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

(4) 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:

(1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

(2) 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.

d) Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:

(1) Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted (i.e., postmarked) on or before April 30th of each year during the permit term.

(2) Compliance certifications shall include the following:

a. An identification of each term or condition of this permit that is the basis of the certification.

b. The permittee's current compliance status.

c. Whether compliance was continuous or intermittent.

d. The method(s) used for determining the compliance status of the source currently and over the required reporting period.

e. Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

(3) Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

14. Permit Shield

a) Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b) This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

(Authority for term: OAC rule 3745-77-07(F))

15. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

16. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

(Authority for term: OAC rule 3745-77-07(G))

17. Off-Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

a) The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.

b) The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emissions levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.

c) The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).

d) The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e) The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit-to-install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(Authority for term: OAC rule 3745-77-07(I))

18. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.

(This term is provided for informational purposes only.)

19. Insignificant Activities or Emissions Levels

Each IEU that has one or more applicable requirements shall comply with those applicable requirements.

(Authority for term: OAC rule 3745-77-07(A)(1))

20. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-07(A)(1))

21. 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.

(Authority for term: OAC rule 3745-77-07(A)(1))

22. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that 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 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.

c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11))

24. Reporting Requirements Related to Monitoring and Record Keeping RequirementsUnder State Law Only

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or record keeping 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 (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

25. Records Retention RequirementsUnder State Law Only

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.

26. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

(Authority for term: OAC rule 3745-77-07(C))

27. Scheduled Maintenance/Malfunction Reporting

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

28. 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.

(Authority for term: OAC rule 3745-77-01(C))

29. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

a) where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in Standard Term and Condition A.2.c)(2); or

b) where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or

c) where the company's responsible official has certified that an emissions unit has been permanently shut down.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) None.

2. The following emissions unit contained in this permit is subject to MACT Subpart JJJJ (Paper and Other Web Coatings): K002. The complete MACT requirements, including the MACT General provisions, may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the Regional Air Pollution Control Agency (RAPCA).

   Affected sources must choose to comply with one of four emissions limits that are included in 40 CFR 63.3320(b). The permittee has chosen to comply with 40 CFR 63.3320(b)(2), which states that organic HAP emissions shall not exceed 4 percent of the mass of coating materials applied for each month. In addition, permittee must choose a compliance method from 40 CFR 63.3370(a); they have chosen to use "as purchased" compliant coating materials and will comply with the limits using the procedure set out in 40 CFR 63.3370(b).

   [Authority for term: 40 CFR Part 63, Subpart JJJJ]

3. The following emissions units at the facility are subject to 40 CFR Part 63, Subpart KK (National emissions Standards for Printing and Publishing Industry): K004 and K010. The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting RAPCA.

   [Authority for term: 40 CFR Part 63, Subpart KK]

C. Emissions Unit Terms and Conditions

1. K002, #5 Coater

Operations, Property and/or Equipment Description:

Coater used for water based adhesive and adhesive with VOC

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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 3745-21-09(F)	The volatile organic compound (VOC) content of the coatings employed in this emissions unit shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents. See b)(2)a .
b.	40 CFR 63.3320(b)(2) (40 CFR Part 63, Subpart JJJJ - National Emissions Standards for Hazardous Air Pollutants: Paper and Other Web Coating)	Organic Hazardous Air Pollutant (HAP) emissions from this emissions unit shall not exceed 4 percent of the mass of coating materials applied for each month. See b)(2)b.
c.	40 CFR 63.1 through 15 (40 CFR Part 63, Subpart A - National Emissions Standards for Hazardous Air Pollutants: General Provisions)	Table 2 to Subpart JJJJ of 40 CFR Part 63 - Applicability of 40 CFR Part 63 General Provisions to Subpart JJJJ shows which parts of the General provisions in 40 CFR 63.1 through 15 apply.

(2) Additional Terms and Conditions

a. The VOC content of the coatings employed in coating line shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents as determined under paragraph (B) of OAC rule 3745-21-10 of the Administrative Code for $C_{VOC,2}$.

The permittee shall demonstrate compliance with this limitation by means of the use of complying coatings.

b. Each coating material used in this emissions unit shall not exceed 0.04 kg organic HAP per kg coating material as-purchased in accordance with 40 CFR 63.3370(a)(1)(i).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The record of the calculation from paragraph (B) of OAC rule 3745-21-10, for the VOC content of each coating applied, VOC content in pounds of VOC per gallon of coating (excluding water and exempt solvents), $C_{VOC,2,}$ shall be maintained on file and shall be made available upon request. The VOC content shall be determined by using U.S. EPA Method 24, or the ink/coating formulation data from the manufacturer may be used if based on the same method.

[Authority for term: OAC rule 3745-77-07(A)(3) , OAC rule 3745-21-09(B) and OAC rule 3745-21-10(B)]

(2) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 63, Subpart JJJJ, including the following sections:

63.3360(c)(1), (2) or (3) - performance test for organic HAP content

63.3370(a)(1) and (b) - demonstrating compliance using "as-purchased" compliant coating materials

63.3410(a)(1)(iii) and (vi) - records of organic HAP content data

[Authority for term: 40 CFR Part 63 Subpart JJJJ]

(3) The permittee shall collect and record the following information each month for this emissions unit and shall maintain this information at the facility for a period of three years:

a. the number of gallons of each coating applied <u>or</u> the number of gallons of all coatings applied during the month;

b. the maximum VOC content (excluding water and exempt solvents) of each coating applied; <u>or</u> the maximum VOC content (excluding water and exempt solvents) for any coating applied, in pounds per gallon, as calculated for $C_{VOC,2}$ above;

c. the total VOC emissions from all coatings applied (i.e., the summation of the products of “a” times “b” for all the individual coatings applied) during the month; <u>or</u> the product of the maximum VOC content of any coating applied times the total gallons of coating employed during the month (i.e.,“a” times “b” for worst case coating);

d. the name and identification of each cleanup material employed;

e. the VOC content of each cleanup material, in pounds per gallon;

f. the number of gallons of each cleanup material employed;

g. the total VOC emission rate from all cleanup materials, in pounds or tons (i.e., the summation of the products of "e" times "f" for all cleanup materials employed); and

h. the total VOC emissions from all coatings and cleanup materials employed, in pounds or tons, the sum of "c" and "g".

The monthly emissions records shall be maintained for the purpose of determining annual VOC emissions for the emissions unit

[Authority for term: OAC rule 3745-77-07(A)(3)]

e) Reporting Requirements

(1) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record from d)(1) above that shows noncomplying coatings were used. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.

[Authority for term: OAC rule 3745-77-07(A)(3) and OAC rule 3745-21-09(B)(3)]

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

a. any deviations from the VOC content limitation ($C_{VOC,2}$) of the coatings employed, calculated as specified in 3745-21-10(B) of the Administrative Code; and

b. allexceedances when emission from this emissions unit exceeds 4 percent of the mass of coating materials applied for each month.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(A)(3)]

(3) The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District Office or local air agency as are required pursuant to 40 CFR Part 63, Subpart JJJJ, per the following section:

63.3400(c) - semiannual compliance report

[Authority for term: 40 CFR Part 63, Subpart JJJJ]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation

The VOC content of the coatings employed in this emissions unit shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method

Compliance with the emissions limitation shall be based upon the record keeping specified in d).

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC 3745-21-09(F)]

b. Emissions Limitations

Organic HAP emissions from this emissions unit shall not exceed 4 percent of the mass of coating materials applied for each month.

Each coating material used in this emissions unit shall not exceed 0.04 kg organic HAP per kg coating material as-purchased.

Applicable Compliance Method

Compliance with the emissions limitations shall be based upon the record keeping specified in d)(2).

[Authority for term: OAC rule 3745-77-07(C)(1) and 40CFR 63 Subpart JJJJ]

g) Miscellaneous Requirements

(1) None.

2. K010, Printer #61

Operations, Property and/or Equipment Description:

Flexographic printing press.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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) PTI 08-03949 issued 2/18/1999	The volatile organic compound (VOC) content of the coatings and ink employed in this emission shall not exceed 16% by volume, excluding water and exempt solvents. See b)(2)a. VOC emissions from this emissions unit shall not exceed 1.55 lbs/hr and 6.79 tons per year (TPY). See b)(2)b.
b.	40 CFR Part 63.821(b)(2) (40 CFR Part 63, Subpart KK - National Emissions Standards for Hazardous Air Pollutants for the Printing and Publishing Industry)	The maximum amount of organic hazardous air pollutants (HAP) employed each month in this emissions unit shall not exceed 400 kilograms (kg).
c.	40 CFR 63.1 through 15 (40 CFR Part 63, Subpart A - National Emissions Standards for Hazardous Air Pollutants: General Provisions)	Table 1 of 40 CFR 63. Subpart KK– Applicability of General Provisions to Subpart KK shows which parts of the General Provisions in 40 CFR Part 63.1 through 15 apply.
d.	OAC rule 3745-21-09(Y)(1)	The emission limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

a. The VOC content of any ink or coating employed in the printing line(s) shall not exceed the following:

i. 16% VOC by volume of the coatings and inks (excluding water and exempt solvents) as determined under paragraph (B) of OAC rule 3745-21-10 of the Administrative Code for $C_{VOC,5}$;

$$C_{VOC,5} = (100)(V_{VOC}) / (V_S + V_{VOC})$$

The permittee shall demonstrate compliance with this limitation by means of the use of complying coatings.

b. The hourly VOC emissions limit was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this short term emissions limitation.

c) Operational Restrictions

(1) The maximum amount of organic HAP employed each month in this emissions unit shall not exceed 400 kilograms (kg).

[Authority for term: 40 CFR Part 63, Subpart KK and PTI 08-03949]

d) Monitoring and/or Recordkeeping Requirements

(1) The record of the calculation from paragraph (B) of OAC rule 3745-21-10, for the VOC content of each coating and ink applied, by volume of coating and ink (excluding water and exempt solvents), $C_{VOC,5}$, shall be maintained on file and shall be made available upon request. The VOC content shall be determined by using U.S. EPA Method 24A for the flexographic and rotogravure printing inks and coatings; or the ink/coating formulation data from the manufacturer may be used if based on the same method.

[Authority for term: OAC rule 3745-77-07(A)(3), OAC rule 3745-21-09(Y) and PTI 08-03949]

(2) The permittee shall collect and record the following information each month for this emissions unit and shall maintain this information at the facility for a period of three years:

a. the company identification for each coating, ink and cleanup materials employed in the printing line;

b. the number of gallons of each coating, ink, and cleanup material employed in the emissions unit during the month;

c. the VOC content of each coating, ink and cleanup material employed in the emissions unit, in pounds per gallon or percent by weight;

d. the VOC content of each coating and ink applied, by volume of coating and ink (excluding water and exempt solvents), $C_{VOC,5}$; and

e. the total VOC emission rate for the emissions unit, in pounds per month (i.e., the summation of the products of "b" times "c" above, for all the materials applied during the month).

[Authority for term: OAC rule 3745-77-07(A)(3),OAC rule 3745-21-09(B)(3) and PTI 08-03949]

(3) The permittee shall record and maintain monthly records of the following for each material employed for this emissions unit:

a. the total volume, in gallons, of each material employed;

b. the organic HAP content, in pounds/gallon, of each material employed; and

c. the total organic HAP usage, in kg, from all the materials employed (summation of d)(3)a. x d)(3)b.)

[Authority for term: 40 CFR Part 63, Subpart KK and PTI 08-03949]

(4) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 63, Subpart KK, including the following sections:

63.829(e)(2) - records of organic HAP content data

[Authority for term: 40 CFR Part 63, Subpart KK]

e) Reporting Requirements

(1) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record from d)(1) above that shows noncomplying coatings were used. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.

[Authority for term: OAC rule 3745-77-07(A)(3), OAC rule 3745-21-09(B)(3) and PTI 08-03949]

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

a. any deviations from the VOC content limitation (C_{VOC5}) of the coatings and inks employed in the flexographic, packaging rotogravure, and publication rotogravure printing line, calculated as specified in 3745-21-10(B) of the Administrative Code; and

b. allexceedances when this emissions unit exceeds the monthly organic HAP usage limitation of 400 kg.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(A)(3)]

(3) The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District Office or local air agency as are required pursuant to 40 CFR Part 63, Subpart KK, per the following section:

63.830(b)(6) - semiannual compliance report

[Authority for term: 40 CFR Part 63, Subpart KK]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation

The VOC content of the inks employed in the printing line(s) shall not exceed 16% VOC by volume of the ink, excluding water and exempt solvents.

Applicable Compliance Method

Using U.S. EPA Method 24A for flexographic and rotogravure printing inks and coatings or the formulation data from the manufacturer, the VOC content shall be calculated as follows:

$C_{VOC,5} = (100)(V_{VOC}) / (V_S + V_{VOC})$

Where:

$C_{VOC,5}$ is the VOC content in percentage VOC by volume of the coating, excluding water and exempt solvents

V_{VOC} is the volume fraction of VOC in the ink, calculated as:

$V_{VOC} = V_{VM} – V_W - V_{ES}$

V_S is the volume fraction of solids (nonvolatile matter) in ink, in gallon of solids per gallon of ink

V_{VM} is the volume fraction of volatile matter in ink, in gallon of volatile matter per gallon of ink

V_W is the volume fraction of water in ink, in gallon of water per gallon of ink

V_{ES} is the volume fraction of exempt solvent in ink, in gallon of exempt solvent per gallon of ink

Compliance shall be demonstrated based on the record keeping requirements established in d).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 08-03949]

b. Emission Limitation

VOC emissions from this emissions unit shall not exceed 1.55 lbs/hr.

Applicable Compliance Method

Compliance with the hourly allowable VOC emissions limitation shall be determined by multiplying the maximum hourly ink/coating usage by the maximum VOC content of all inks and/or coatings employed in this emissions unit.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 08-03949]

c. Emission Limitation

VOC emissions from this emissions unit shall not exceed 6.79 TPY.

Applicable Compliance Method

The permittee shall demonstrate compliance based upon the record keeping requirements specified in d)(2) and shall be the sum of the twelve monthly VOC emissions rates for the calendar year.

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI 08-03949]

d. Emission Limitation

The maximum amount of organic HAP employed each month in this emissions unit shall not exceed 400 kg.

Applicable Compliance Method

The permittee shall demonstrate compliance based upon the record keeping requirements specified in d)(3).

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart KK and PTI 08-03949]

g) Miscellaneous Requirements

(1) None.

3. K011, Coater 45

Operations, Property and/or Equipment Description:

16-inch narrow web flexographic printing operation

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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.	ORC 3704.03(T) (PTI P0108988 issued 12/6/2011)	The volatile organic compound (VOC) emissions shall not exceed 22.0 tons per year for coatings and cleanup materials, based upon a rolling, 12-month summation of the monthly emissions. See b)(2)a. and b)(2)b. The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-09(Y)(1)a.
b.	OAC rule 3745-21-09(Y)(1)(a)	The VOC content of the coatings and inks employed in this emissions unit shall not exceed 40% VOC by volume of the coating and ink, excluding water and exempt solvents; or 25% VOC by volume of the volatile matter in the coating and ink. See b)(2)c. and d)(1).

(2) Additional Terms and Conditions

a. The 22.0 tons per year VOC emissions limitation is based on the information and data submitted by the permittee in the application for permit P0108989. It was established for PTI purposes and reflects the potential to emit for this emissions unit.

b. The emissions of VOC from this emissions unit shall not exceed 22.0 tons per year for coatings and cleanup materials, based upon a rolling, 12-month summation of the monthly emissions. To ensure enforceability during the first 12

calendar months of operation, the permittee shall not exceed the emission levels specified in the following table:

Month(s)	Maximum Allowable Cumulative Emissions of VOC (tons)
1	1.8
1-2	3.7
1-3	5.5
1-4	7.3
1-5	9.2
1-6	11.0
1-7	12.8
1-8	14.6
1-9	16.5
1-10	18.3
1-11	20.1
1-12	22.0

After the first 12 calendar months of operation, compliance with the annual emission limitation for VOC shall be based upon a rolling, 12-month summation of the monthly emissions.

c. The VOC content of any ink or coating employed in the printing line shall not exceed one of the following limitations:

i. 40% VOC by volume of the coatings and inks, excluding water and exempt solvents, as determined under paragraph (B) of OAC rule 3745-21-10 of the Administrative Code for $C_{VOC,5}$; or

$C_{VOC,5} = (100)(V_{VOC}) / (V_S + V_{VOC})$

ii. 25% VOC by volume of the volatile matter in the coatings and inks, as determined under paragraph (B) of OAC rule 3745-21-10 of the Administrative Code for $C_{VOC,6}$.

$C_{VOC,6} = (100)(V_{VOC}) / V_{VM}$

The permittee shall demonstrate compliance with these limitations by means of the use of complying coatings.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The record of the calculation from paragraph (B) of OAC rule 3745-21-10, for the VOC content of each coating and ink applied, by volume of coating and ink (excluding water and exempt solvents), $C_{VOC,5}$, or by volume of volatile matter in the coatings/inks, $C_{VOC,6}$, shall be maintained on file and shall be made available upon request. The VOC content shall be determined by using U.S. EPA Method 24A for the flexographic and rotogravure printing inks and coatings; or the ink/coating formulation data from the manufacturer may be used if based on the same method.

[Authority for term: OAC rule 3745-77-07(A)(3), OAC rule 3745-21-09(Y) and PTI P0108989]

(2) The permittee shall collect and record the following information each month for this emissions unit and maintain the information at the facility for a period of three years:

a. the name and identification for each coating, ink, and cleanup material employed in the printing line;

b. the number of gallons of each coating, ink, and cleanup material employed in the emissions unit during the month;

c. the VOC content of each coating, ink, and cleanup material employed in the emissions unit, in pounds per gallon;

d. the VOC content of each coating and ink applied, by volume of coating and ink (excluding water and exempt solvents), $C_{VOC,5}$, or by volume of volatile matter in the coatings/inks, $C_{VOC,6}$;

e. the total VOC emission rate for the emissions unit, in pounds per month (i.e., the summation of the products of “b” times “c” above, for all the materials applied during the month);

f. following the first 12 months or full year of printing operations, the annual VOC emissions, in tons (i.e., the sum of the 12 month emissions divided by 2,000 lbs/ton, calculated at the end of the year); and

g. the rolling, 12-month summation of the monthly emissions, in tons (i.e., the summation of the VOC emissions as recorded in e. above for the present month plus the previous 11 months of operation).

[Authority for term: OAC rule 3745-77-07(A)(3), OAC rule 3745-21-09(B)(3) and PTI P0108989]

e) Reporting Requirements

(1) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record from d)(1) above that shows noncomplying coatings were used. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.

[Authority for term: OAC rule 3745-77-07(A)(3), OAC 3745-21-09(B)(3) and PTI P010898

(2) The permittee shall include in the quarterly deviation reports any deviations from

the VOC content limitations (C_{VOC5} or $C_{VOC,6}$) of the coatings and inks employed in the flexographic, packaging rotogravure, and publication rotogravure printing lines, calculated as specified in 3745-21-10(B) of the Administrative Code.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(A)(3)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emission Limitation</u>

The VOC emissions shall not exceed 22.0 tons per year for coatings and cleanup materials, based upon a rolling, 12-month summation of the monthly emissions.

<u>Applicable Compliance Method</u>

The annual VOC emissions allowable reflects the potential to emit for this emissions unit. It was determined by multiplying the maximum hourly coating material usage rate of 7.88 gal/hour by the maximum VOC coating content of 0.63 lb/gal, then multiplying by 8,760 hours of operation per year and dividing by 2000 lbs/ton and adding 0.18 tons/year emissions from cleanup materials. Compliance with the annual allowable VOC emissions limitation shall be demonstrated based on the record keeping requirements established in d).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0108989]

b. <u>Emission Limitation</u>

The VOC content of the inks employed in the printing line(s) shall not exceed 40% VOC by volume of the ink, excluding water and exempt solvents.

Applicable Compliance Method

Using U.S. EPA Method 24A for flexographic and rotogravure printing inks and coatings or the formulation data from the manufacturer, the VOC content shall be calculated as follows:

$C_{VOC,5} = (100)(V_{VOC}) / (V_S + V_{VOC})$

Where:

$C_{VOC,5}$ is the VOC content in percentage VOC by volume of the coating, excluding water and exempt solvents

V_{VOC} is the volume fraction of VOC in the ink, calculated as:

$V_{VOC} = V_{VM} – V_W - V_{ES}$

V_S is the volume fraction of solids (nonvolatile matter) in ink, in gallon of solids per gallon of ink

V_{VM} is the volume fraction of volatile matter in ink, in gallon of volatile matter per gallon of ink

V_W is the volume fraction of water in ink, in gallon of water per gallon of ink

V_{ES} is the volume fraction of exempt solvent in ink, in gallon of exempt solvent per gallon of ink.

Compliance shall be demonstrated based on the record keeping requirements established in d).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0108989]

c. Emission Limitation

The VOC content of the inks employed in the printing line(s) shall not exceed 25% VOC by volume of the volatile matter in the ink.

Applicable Compliance Method

Using U.S. EPA Method 24A for flexographic and rotogravure printing inks and coatings or the formulation data from the manufacturer, the VOC content shall be calculated as follows:

$C_{VOC,6} = (100)(V_{VOC}) / V_{VM}$

Where:

$C_{VOC,6}$ is the VOC content in percentage VOC by volume of the volatile matter

V_{VOC} is the volume fraction of VOC in the ink, calculated as:

$V_{VOC} = V_{VM} – V_W - V_{ES}$

V_{VM} is the volume fraction of volatile matter in ink, in gallon of volatile matter per gallon of ink

V_W is the volume fraction of water in ink, in gallon of water per gallon of ink

V_{ES} is the volume fraction of exempt solvent in ink, in gallon of exempt solvent per gallon of ink.

Compliance shall be demonstrated based on the record keeping requirements established in d).

[Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0108989]

g) Miscellaneous Requirements

(1) None.