



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center  
122 S. Front Street  
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center  
P.O. Box 1049  
Columbus, OH 43216-1049

11/20/02

**CERTIFIED MAIL**

**RE: Preliminary Proposed Title V  
Chapter 3745-77 permit**

14-09-04-0212  
Smart Papers - Hamilton Mill  
Kenneth L. Hardesty  
601 North 'B' Street  
Hamilton, OH 45013-2909

Dear Kenneth L. Hardesty:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on 01/31/01. The comment period for the Draft permit has ended. We are now ready to submit this permit to USEPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written, you now have the opportunity to raise your concerns. **Please submit, in writing, any comments you may have within fourteen (14) days from your receipt of this letter to:**

Ohio Environmental Protection Agency  
Jim Orlemann, Manager, Engineering Section  
Division of Air Pollution Control  
P.O.Box 1049  
Columbus, OH 43216-1049

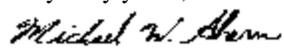
and

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

Also, if you believe that it is necessary to have an informal conference with us, then, as part of your written comments, you should request a conference concerning the written comments.

If comments are not submitted within fourteen (14) days of your receipt of this letter, we will forward the proposed permit to USEPA for approval. All comments received will be carefully considered before proceeding to the proposed permit.

Very truly yours,

  
Michael W. Ahern, Supervisor  
Field Operations and Permit Section  
Division of Air Pollution Control

cc: Hamilton County Dept. of Environmental Services  
File, DAPC PMU



State of Ohio Environmental Protection Agency

PRELIMINARY PROPOSED TITLE V PERMIT

Issue Date: 11/20/02

Effective Date: To be entered upon final issuance

Expiration Date: To be entered upon final issuance

This document constitutes issuance of a Title V permit for Facility ID: 14-09-04-0212 to:

Smart Papers - Hamilton Mill

601 North 'B' Street

Hamilton, OH 45013-2909

Emissions Unit ID (Company ID)/Emissions Unit Activity Description

B010 (CH11002) NO. 10 Boiler	NO.6 Cast Coater (Previously Z051)	K027 (CH19043) Super Calender Complex Calender (Previously Z066)
B020 (CH11003) NO. 14 Boiler	K012 (CH12064) NO.7 Cast Coater (Previously Z052)	P009 (CH12013) NO. 2 Mill Tubsize Starch Mix Tank and Tubsize Starch Cookers
B022 (CH11005) NO. 17 Boiler	K013 (CH12065) NO.8 Cast Coater (Previously Z053)	P010 (CH19025) NO. 1 Mill Trim System (Previously Z017)
F003 (CH11001) Coal handling and ash unloading	K014 (CH12066) NO.9 Cast Coater (Previously Z054)	P012 (CH12011) NO. 2 Paper Machine (Previously Z003)
K001 (CH12078) NO. 33 Cast Coater	K015 (CH12067) NO.10 Cast Coater (Previously Z055)	P013 (CH12012) NO. 3 Paper Machine (Previously Z007)
K002 (CH12009) NO. 44 Cast Coater	K016 (CH12068) NO.11 Cast Coater (Previously Z056)	P014 (CH12018) NO. 9 Paper Machine (Previously Z011)
K003 (CH12010) NO. 55 Cast Coater	K017 (CH12069) NO.12 Cast Coater (Previously Z057)	P015 (CH12019) NO. 10 Paper Machine (Previously Z012)
K004 (CH12052) NO. 2 Paper Machine Coater System (Previously Z041)	K018 (CH12070) NO.13 Cast Coater (Previously Z058)	P016 (CH12014) NO. 2 Mill Trim System (Previously Z008)
K005 (CH12053) NO. 3 Paper Machine Coater System (Previously Z042)	K019 (CH12071) NO.14 Cast Coater (Previously Z059)	P017 (CH19024) Super Calender Complex Trim Air Separator (Previously Z006)
K006 (CH12054) NO. 9 Paper Machine Coater System (Previously Z043)	K020 (CH12072) NO.15 Cast Coater (Previously Z060)	P018 (CH12017) Coating Preparation (Previously Z010)
K007 (CH12055) NO. 10 Paper Machine Coater System (Previously Z044)	K021 (CH12073) NO.22 Cast Coater (Previously Z061)	P019 (CH11006) Ash Silo (Previously Z013)
K008 (CH12060) NO.3 Cast Coater (Previously Z048)	K022 (CH12074) NO.17 Cast Coater (Previously Z062)	P901 (CH12016) Kady Mill Mixers
K009 (CH12061) NO.4 Cast Coater (Previously Z049)	K023 (CH12075) NO.77 Cast Coater (Previously Z063)	P902 (CH19043) Box Shop Cyclone System
K010 (CH12062) NO.5 Cast Coater (Previously Z050)	K024 (CH12076) NO.88 Cast Coater (Previously Z064)	
K011 (CH12063)	K025 (CH12077) NO.99 Cast Coater (Previously Z065)	
	K026 (CH12021) ) NO.1 Cast Coater (Previously Z004)	

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. 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. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-04(A) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

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

## OHIO ENVIRONMENTAL PROTECTION AGENCY

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Christopher Jones  
Director

## PART I - GENERAL TERMS AND CONDITIONS

### A. *State and Federally Enforceable Section*

#### 1. **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, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
  - i. The date, place (as defined in the permit), and time of sampling or measurements.
  - ii. The date(s) analyses were performed.
  - iii. The company or entity that performed the analyses.
  - iv. The analytical techniques or methods used.
  - v. The results of such analyses.
  - vi. The operating conditions existing at the time of sampling or measurement.  
*(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:
  - i. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.  
*(Authority for term: OAC rule 3745-77-07(A)(3)(c))*
  - ii. **For emission limitations, operational restrictions, and control device operating parameter limitations:**
    - (a) Written reports of (i) any deviations from federally enforceable 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 taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Part III of this Title V permit, the written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year, and shall cover the previous calendar quarters. 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. These written reports shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations. See B.6 below if no deviations occurred during the quarter.

*(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i), (ii) and (iii))*

- (b) 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 deviation reporting requirements for this Title V permit, written reports that identify each malfunction that occurred during each calendar quarter shall be submitted, at a minimum, quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year, and shall cover the previous calendar quarters.

In identifying each deviation caused by a malfunction, the permittee shall specify the applicable requirement 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. Also, if a deviation caused by a malfunction is identified in a written report submitted pursuant to paragraph (a) above, a separate report is not required for that malfunction pursuant to this paragraph. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing, at a minimum, on a quarterly basis.

Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation, operational restriction, and control device operating parameter limitation shall be reported in the same manner as described above for malfunctions. These written reports for malfunctions (and scheduled maintenance projects, if appropriate) shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations.

*(Authority for term: OAC rules 3745-77-07(A)(3)(c)(iii))*

iii. **For monitoring, record keeping, and reporting requirements:**

Written reports that identify any deviations from the federally enforceable monitoring, record keeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year, for the previous six calendar months. 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. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, record keeping, and

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

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

- iv. Each written report shall be signed by a responsible official certifying that, "based on information and belief formed after reasonable inquiry, the statements and information in the report (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))*

## **2. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions unit(s) 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 OAC rule 3745-15-06, 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).

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

## **3. Risk Management Plans**

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

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

## **4. Title IV Provisions**

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

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

## **5. Severability Clause**

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

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

## **6. General Requirements**

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with A.10 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.

*(Authority for term: OAC rule 3745-77-07(A)(7))*

**7. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

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

**8. 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))*

**9. 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 general terms and conditions shall apply to all operating scenarios authorized in this permit.

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

**10. 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))*

## 11. 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))*

## 12. 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:
  - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
  - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
  - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
- i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
  - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- 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:
- i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
  - ii. 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.
  - iii. 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))*

### **13. 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))*

#### **14. 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))*

#### **15. 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))*

#### **16. 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 emission 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.

(For purposes of clarification, the permittee can refer to Engineering Guide #63 that is available in the STARSHIP software package.)

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

#### **17. 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.)*

#### **18. Insignificant Activities**

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

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

#### **19. 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))*

#### **20. 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))*

#### **B. State Only Enforceable Section**

## **1. Reporting Requirements Related to Monitoring and Record Keeping Requirements**

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

## **2. Records Retention Requirements**

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

## **3. 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.

## **4. 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).

**5. 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.

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

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

## Part II - Specific Facility Terms and Conditions

### A. State and Federally Enforcable Section

None

### B. State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:

- B015 No. 10 Paper Machine Garner Dryer
- B023 Natural Gas Fired Space Heaters
- B024 Coal Dock Burners 1-7
- B025 Natural Gas Fired Space Heaters
- B026 No.10 Paper Machine Coater IR Dryer
- F001 Paved Roadways and Parking Areas
- F013 Coal Storage
- L001 Parts Washer
- P020 No. 2 Mill Wet End Starch System
- P021 No. 2 & 3 Paper Machine Chemical Addition
- P022 No. 9 & 10 Paper Machine Chemical Addition
- P023 Natural Gas Pipelines
- P024 No. 2 & 3 Paper Machine Raw Materials
- P025 No. 2 & 3 Paper Machine Fillers and Additives
- P026 Coating Preparation Starch System
- P027 No. 9 & 10 Paper Machine Raw Materials
- P028 No. 9 & 10 Paper Machine Fillers and Additives
- P029 Super Calendar Complex Re reeler and Winder
- P030 No. 1 Mill Rewinders
- P031 No. 1 Mill Balers
- P034 Water Treatment System
- P035 Arc Welders
- P036 Sand Blaster
- P037 Grinders, Sanders and Lathes
- P039 Core Cutters
- P040 Converting Complex(includes Embossers, Cutters, Sheeters and Broke boxes)
- T001 250,000-gallon Fuel Oil Storage Tank
- T008 18,000-gallon Storage Tank
- T010 Ammonia Tanks
- T011 Soft Water Tanks
- T012 1000-gallon Fuel Oil Storage Tank

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a permit to install for the emissions unit.

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH11002 (B010)

**Activity Description:** NO. 10 Boiler

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
pulverized coal-fired boiler (with oil firing capability for light-off), having a rated heat input capacity of 420 MMBtu/hr and controlled with an electrostatic precipitator (ESP)	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-10(C)	Particulate emissions shall not exceed 0.11 lb/MMBtu of actual heat input.
	OAC rule 3745-18-15(L)	Sulfur dioxide emissions shall not exceed 1.7 lbs/MMBtu of actual heat input.
	40 CFR Part 52.1881(b)(12)(v)	See A.II.2. The SO <sub>2</sub> emission limitation specified in 40 CFR Part 52.1881(b)(12)(v) is less stringent than that established in OAC rule 3745-18-15(L).

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- The quality of the coal burned in this emissions unit shall have a combination of sulfur content and heat content sufficient to meet the sulfur dioxide emission limitation of 1.7 lbs/MMBtu of actual heat input.
- The total combined daily average operating rate for emissions units B010 and B020 shall not exceed 603 MMBtu/hr.

### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect or require the coal supplier to collect a representative sample of coal for each shipment of coal which is received for burning in this emissions unit. The coal sampling shall be performed in accordance with ASTM method D2234, Collection of a Gross Sample of Coal. At the end of each month, the representative samples of coal for all shipments of coal which were received during that month shall be combined into one composite sample. This combination may be a physical composite or a weighted average of the test data for the individual shipments.

Each monthly composite sample of coal shall be analyzed for sulfur content (percent) and heat content (Btu/pound of coal). The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the most recent version of the following ASTM methods: ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D5865, Gross Calorific Value of Coal and Coke. Alternative, equivalent methods may be used upon written approval from the Hamilton County Department of Environmental Services.

2. The permittee shall maintain monthly records of the total quantity of coal burned, the results of the analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/MMBtu) for all shipments of coal during each calendar month.
3. The permittee shall maintain daily records of the total combined heat input, total combined hours of operation (calculated by the sum of the operating hours for each unit), and the daily average operating rate, in MMBtu/hr, for B010 and B020. To determine the heat input the permittee shall continuously monitor and record the steam flow rate from this emissions unit.
4. The permittee shall operate and maintain existing equipment to continuously monitor and record the opacity of particulate emissions from the common stack serving B010 and B020. The opacity of the visible particulate emissions from B010 and B020 shall be monitored in the combined stack for the two boilers and the visible particulate emission limitation specified in Section A.I.1 applies to each individual boiler as monitored at the common stack. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

Each continuous emission monitoring system consists of all equipment used to acquire data and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers and data recording/processing hardware and software.

The permittee shall maintain a certification letter from Ohio EPA documenting that the continuous opacity monitoring system has been certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. The letter of certification shall be made available to the Director upon request.

The permittee shall maintain records of the following data obtained by the continuous opacity monitoring system: percent opacity on a 6-minute block average basis, results of daily zero/span calibration checks, and the magnitude of manual calibration adjustments.

Records documenting activities relating to the continuous opacity monitoring system must be kept on site and available for inspection during regular office hours.

### III. Monitoring and/or Record Keeping Requirements (continued)

5. To obtain an exemption pursuant to OAC rule 3745-17-07(A)(3)(a)(i) or (A)(3)(b)(i), the permittee shall operate and maintain temperature monitors and recorders that measure and record the temperature of the boiler exhaust gases entering the ESPs during (a) all periods of start-up until the ESPs are operational or until the inlet temperatures of the ESPs achieve the temperature level specified in OAC rule 3745-17-07(A)(3)(a)(i) and (b) all periods of shutdown until the inlet temperatures of the ESPs drop below the temperature level specified in OAC rule 3745-17-07(A)(3)(b)(i). An electronic or hardcopy record of the temperatures during periods of start-up and shutdown shall be maintained.

The temperature monitors and recorders shall be installed, calibrated, operated, and maintained in accordance with manufacturer's recommendations, with any modifications deemed necessary by the permittee, and shall be capable of accurately measuring the temperature of the boiler exhaust gases in units of degrees Fahrenheit.

### IV. Reporting Requirements

1. Quarterly reports concerning the quality and quantity of coal received for burning in this emissions unit shall be submitted to the Hamilton County Department of Environmental Services. These reports shall include the following information for the emissions unit for each calendar month during the calendar quarter:
  - a. the total quantity of coal received (tons);
  - b. the average sulfur content (percent) of the coal received;
  - c. the average heat content (Btu/lb) of the coal received; and
  - d. the average calculated sulfur dioxide emission rate (lbs sulfur dioxide/MMBtu actual heat input) from the coal received. The equation below from OAC rule 3745-18-04(F)(1) shall be used for this calculation:

$$ER = [(1 \times 10E6)/H] \times S \times 1.9$$

Where ER = The emission rate in pounds of sulfur dioxide per MMBtu;

H = The heat content of the coal in Btu per pound;

S = The decimal fraction of sulfur in the coal.

These quarterly reports shall be submitted by January 30, April 30, July 30 and October 30 of each year and shall cover the data obtained during the previous calendar quarter.

2. The permittee shall submit quarterly deviation (excursion) reports to the Hamilton County Department of Environmental Services that identify each exceedance of the total combined operating rate limitation specified in this permit.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

#### **IV. Reporting Requirements (continued)**

3. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Hamilton County Department of Environmental Services documenting all instances of opacity values in excess of the limitations specified in OAC rule 3745-17-07, detailing the date, commencement and completion times, duration, magnitude (percent opacity), reason (if known), and corrective action(s) taken (if any) of each 6-minute block average above the applicable opacity limitation(s).

The reports shall also identify any excursions of the start-up and shutdown provisions specified in OAC rule 3745-17-07(A)(3) and document any continuous opacity monitoring system downtime while the emissions unit was on line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason and corrective action(s) taken for each time period of emissions unit and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the date, time reason and corrective action(s) taken for each time period of monitoring system malfunction. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report.

These quarterly excess emission reports shall be submitted by January 30, April 30, July 30 and October 30 of each year and shall address the data obtained during the previous calendar quarter.

#### **V. Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit to demonstrate compliance with the allowable mass emission rate of 0.11 lb particulate emissions/MMBtu of actual heat input in accordance with the following requirements:

The emission testing shall be conducted within 6 months after issuance of this permit and within 6 months prior to permit expiration.

Compliance with the allowable mass emission rate for particulates shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

The tests shall be conducted while the emissions unit is operating at or near its maximum capacity.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

**V. Testing Requirements (continued)**

2. Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

3. Emission Limitation:  
Sulfur dioxide emissions shall not exceed 1.7 lbs/MMBtu of actual heat input.

Applicable Compliance Method:

Compliance shall be determined by using the fuel analysis records required pursuant to Sections A.III.1 and A.III.2 and the applicable equation in OAC rule 3745-18-04(F).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

4. Compliance with the average daily operating rate limitation specified in A.II.2 shall be determined by the record keeping requirements in Section A.III.3 of this permit.

**VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
pulverized coal-fired boiler (with oil firing capability for light-off), having a rated heat input capacity of 420 MMBtu/hr and controlled with an electrostatic precipitator (ESP)		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH11003 (B020)

**Activity Description:** NO. 14 Boiler

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
spreader stoker coal or tire derived fuel-fired boiler, having a rated heat input capacity of 249 MMBtu/hr and controlled with an electrostatic precipitator (ESP)	OAC rule 3745-31-05(A)(3) (PTI 14-3948)	<p>The SO2 emission limitation established in PTI 14-3948 is less stringent than that established in OAC rule 3745-18-15(L).</p> <p>Nitrogen oxides emissions shall not exceed 139.9 lbs/hour.*</p> <p>Carbon monoxide emissions shall not exceed 51.0 lbs/hour.*</p> <p>Non-methane organic compounds emissions shall not exceed 1.12 lbs/hour.*</p> <p>Beryllium emissions shall not exceed 0.018 lb/hour.*</p> <p>Cadmium emissions shall not exceed 0.011 lb/hour.*</p> <p>Barium emissions shall not exceed 0.0022 lb/hour.*</p> <p>Chromium emissions shall not exceed 0.38 lb/hour.*</p>

**Operations, Property,  
and/or Equipment**

**Applicable Rules/  
Requirements**

**Applicable Emissions  
Limitations/Control  
Measures**

Lead emissions shall not exceed 0.12 lb/hour.\*

Mercury emissions shall not exceed 0.004 lb/hour.\*

Nickel emissions shall not exceed 0.32 lb/hour.\*

Zinc emissions shall not exceed 0.022 lb/hour.\*

Hydrogen chloride emissions shall not exceed 2.6 lbs/hour.\*

Chlorine emissions shall not exceed 0.75 lb/hour.\*

PM-10 emissions shall not exceed 0.0072 lb/MMBtu of actual heat input.\*

\* The lbs/hr emission limitations established in PTI 14-3948 are based on the emissions unit's potentials to emit. Therefore, no hourly record keeping or reporting requirements are necessary to demonstrate compliance.

See terms A.II.1, A.II.2 and A.II.3.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A), OAC rule 3745-17-10(C) and OAC rule 3745-18-15(L).

OAC rule 3745-17-07(A)

Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.

OAC rule 3745-17-10(C)

Particulate emissions shall not exceed 0.11 lb/MMBtu of actual heat input.

OAC rule 3745-18-15(L)

Sulfur dioxide emissions shall not exceed 1.7 lbs/MMBtu of actual heat input.

See A.II.4.

**Operations, Property,  
and/or Equipment**

**Applicable Rules/  
Requirements**

**Applicable Emissions  
Limitations/Control  
Measures**

40 CFR Part 52.1881(b)(12)(v)

The emission limitation established by 40 CFR Part 52.1881(b)(12)(v) rule is less stringent than specified in OAC rule 3745-18-15(L).

**2. Additional Terms and Conditions**

**None**

**II. Operational Restrictions**

1. The quality of the coal burned in this emissions unit shall meet the following specifications on an "as-received" wet basis:
  - a. less than 12 percent ash by weight;
  - b. sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.7 pounds sulfur dioxide/MMBtu actual heat input; and
  - c. greater than 12,000 Btu/pound of coal.
2. The amount of tire derived fuel fired in emissions unit B020 shall not exceed 30%, by weight, of the total fuel fired in the boiler on a daily basis.
3. Pursuant to paragraph (B)(3) of OAC rule 3745-17-10, the total heat input for emissions unit B020 only, while tire derived fuel is being burned, is derated from 249 MMBtu/hr to 118.2 MMBtu/hr. (The derated total heat input of 118.2 MMBtu/hr corresponds to a steam load of 84,444 lbs/hr.) The heat input limit is based on the maximum operating rate of the boiler during the performance test conducted in 1994 when tire derived fuel was burned.
4. The total combined daily average operating rate for emissions units B010 and B020, shall not exceed 603 MMBtu/hr.

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect or require the coal supplier to collect a representative sample of coal for each shipment of coal which is received for burning in this emissions unit. The coal sampling shall be performed in accordance with ASTM method D2234, Collection of a Gross Sample of Coal. At the end of each month, the representative samples of coal for all shipments of coal which were received during that month shall be combined into one composite sample. This combination may be a physical composite or a weighted average of the test data for the individual shipments.

Each monthly composite sample of coal shall be analyzed for sulfur content (percent) and heat content (Btu/pound of coal). The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the most recent version of the following ASTM methods: ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D5865, Gross Calorific Value of Coal and Coke. Alternative, equivalent methods may be used upon written approval from the Hamilton County Department of Environmental Services.

2. The permittee shall maintain monthly records of the total quantity of coal burned, the results of the analyses for ash content, sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/MMBtu) for all shipments of coal during each calendar month.

### III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall operate and maintain existing equipment to continuously monitor and record the opacity of particulate emissions from the common stack serving B010 and B020. The opacity of the visible particulate emissions from B010 and B020 shall be monitored in the combined stack for the two boilers and the visible particulate emission limitation specified in Section A.I.1 applies to each individual boiler as monitored at the common stack. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

Each continuous emission monitoring system consists of all equipment used to acquire data and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers and data recording/processing hardware and software.

The permittee shall maintain a certification letter from Ohio EPA documenting that the continuous opacity monitoring system has been certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. The letter of certification shall be made available to the Director upon request.

The permittee shall maintain records of the following data obtained by the continuous opacity monitoring system: percent opacity on a 6-minute block average basis, results of daily zero/span calibration checks, and the magnitude of manual calibration adjustments.

Records documenting activities relating to the continuous opacity monitoring system must be kept on site and available for inspection during regular office hours.

4. To obtain an exemption pursuant to OAC rule 3745-17-07(A)(3)(a)(i) or (A)(3)(b)(i), the permittee shall operate and maintain temperature monitors and recorders that measure and record the temperature of the boiler exhaust gases entering the ESPs during (a) all periods of start-up until the ESPs are operational or until the inlet temperatures of the ESPs achieve the temperature level specified in OAC rule 3745-17-07(A)(3)(a)(i) and (b) all periods of shutdown until the inlet temperatures of the ESPs drop below the temperature level specified in OAC rule 3745-17-07(A)(3)(b)(i). An electronic or hardcopy record of the temperatures during periods of start-up and shutdown shall be maintained.

The temperature monitors and recorders shall be installed, calibrated, operated, and maintained in accordance with manufacturer's recommendations, with any modifications deemed necessary by the permittee, and shall be capable of accurately measuring the temperature of the boiler exhaust gases in units of degrees Fahrenheit.

5. When burning tire derived fuel, the permittee shall continuously monitor and record the steam flow rate from emissions unit B020. At no time shall the steam flow rate from emissions unit B020 exceed 84,444 lbs/hr (as an average over any one-hour period) while burning tire derived fuel.
6. Each day that tire derived fuel is fired in emissions unit B020, the permittee shall record and maintain the following information:
  - a. the amount of coal burned (tons);
  - b. the amount of tire derived fuel burned (tons); and
  - c. the percent of tire derived fuel in the total fuel fired in the boiler, by weight.
7. The permittee shall maintain daily records of the total combined heat input, total combined hours of operation (calculated as the summation of the operating hours for each unit), and the daily average operating rate, in MMBtu/hr, for emissions units B010 and B020. To determine the heat input the permittee shall continuously monitor and record the steam flow rate from each emissions unit.

### III. Monitoring and/or Record Keeping Requirements (continued)

8. The permittee shall collect or require the tire derived fuel supplier to collect a representative sample of tire derived fuel for each shipment of tire derived fuel which is received for burning in this emissions unit. The tire derived fuel sampling shall be performed in accordance with ASTM method D2234, Collection of a Gross Sample of Coal. At the end of each month, the representative samples of tire derived fuel for all shipments of tire derived fuel which were received during that month shall be combined into one composite sample.

Each monthly composite sample of tire derived fuel shall be analyzed for ash content (percent), sulfur content (percent), heat content (Btu/pound of tire derived fuel), and chlorine content (percent). The permittee shall perform or require the supplier to perform the analyses for ash content, sulfur content, heat content, and chlorine content in accordance with the most recent versions of the following ASTM methods: ASTM method D3174, Ash in the Analysis of Coal and Coke; ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; ASTM method D2015, Gross Calorific Value of Solid Fuel by the Adiabatic Bomb Calorimeter, ASTM method D3286, Gross Calorific Value of Coal and Coke by the Isothermal Bomb Calorimeter, or ASTM method D1989, Standard Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Iso-peribol Calorimeters, respectively; and ASTM method D2361, Test Method for Chlorine in Coal/Solid Fuel. Alternative, equivalent methods may be used upon written approval from the appropriate Ohio EPA District Office or local air agency. This combination may be a physical composite or a weighted average of the test data for the individual shipments.

9. The permittee shall maintain monthly records of the total quantity of tire derived fuel burned, the results of the analyses for ash content, sulfur content, chlorine content and heat content, and the calculated sulfur dioxide emission rate (in lbs/MMBtu) for all shipments of tire derived fuel during each calendar month.

### IV. Reporting Requirements

1. Quarterly reports concerning the quality and quantity of coal received for burning in this emissions unit shall be submitted to the Hamilton County Department of Environmental Services. These reports shall include the following information for the emissions unit for each calendar month during the calendar quarter:
- the total quantity of coal received (tons);
  - the average sulfur content (percent) of the coal received;
  - the average heat content (Btu/lb) of the coal received; and
  - the average calculated sulfur dioxide emission rate (lbs sulfur dioxide/MMBtu actual heat input) from the coal received. The equation below from OAC rule 3745-18-04(F)(1) shall be used for this calculation:

$$ER = [(1 \times 10E6)/H] \times S \times 1.9$$

Where ER = The emission rate in pounds of sulfur dioxide per MMBtu;

H = The heat content of the coal in Btu per pound;

S = The decimal fraction of sulfur in the coal.

These quarterly reports shall be submitted by January 30, April 30, July 30 and October 30 of each year and shall cover the data obtained during the previous calendar quarter.

2. The permittee shall submit quarterly reports to the Hamilton County Department of Environmental Services that summarize the following information for the emissions unit for each calendar month during the calendar quarter:
- the amount of tire derived fuel burned (tons);
  - the average heat content of the tire derived fuel received (Btu/lb);
  - the average ash content (percent) of the tire derived fuel received;
  - the average sulfur content (percent) of the tire derived fuel received; and
  - the average chlorine content of the tire derived fuel received.

These quarterly reports shall be submitted by January 30, April 30, July 30 and October 30 of each year and shall cover the data obtained during the previous calendar quarter.

#### IV. Reporting Requirements (continued)

3. If for any reason the steam flow rate from emissions unit B020 exceeds 84,444 lbs/hr, while burning tire derived fuel, the following information shall be reported within 5 business days after the exceedance:
- the date of the exceedance;
  - the time interval over which the exceedance occurred;
  - the steam flow rate;
  - the cause(s) of the exceedance;
  - the corrective action which has been or will be taken to prevent similar exceedances in the future; and
  - a copy of the steam chart which shows the exceedance.

4. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the Hamilton County Department of Environmental Services documenting all instances of opacity values in excess of the limitations specified in OAC rule 3745-17-07, detailing the date, commencement and completion times, duration, magnitude (percent opacity), reason (if known), and corrective action(s) taken (if any) of each 6-minute block average above the applicable opacity limitation(s).

The reports shall also identify any excursions of the start-up and shutdown provisions specified in OAC rule 3745-17-07(A)(3) and document any continuous opacity monitoring system downtime while the emissions unit was on line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason and corrective action(s) taken for each time period of emissions unit and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the date, time reason and corrective action(s) taken for each time period of monitoring system malfunction. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report.

These quarterly excess emission reports shall be submitted by January 30, April 30, July 30 and October 30 of each year and shall address the data obtained during the previous calendar quarter.

5. The permittee shall submit quarterly deviation (excursion) reports that identify each exceedance of the total combined operating rate limitation specified in this permit.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

## V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit to demonstrate compliance with the allowable mass emission rate of 0.11 lb particulates/MMBtu of actual heat input in accordance with the following requirements:

The emission testing shall be conducted within 6 months after issuance of this permit and within 6 months prior to permit expiration.

Compliance with the allowable mass emission rate for particulates shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

The tests shall be conducted while the emissions unit is operating at or near its maximum capacity.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

2. Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

3. Compliance with the CO, non-methane organic compounds and PM10 emission limitations shall be based on AP-42 Section 1.1 (dated 9/98) or the most recent emission test data.

If required, the permittee shall demonstrate compliance with the NO<sub>x</sub> emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

If required, the permittee shall demonstrate compliance with the CO emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

If required, the permittee shall demonstrate compliance with the non-methane organic compounds emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25.

If required, the permittee shall demonstrate compliance with the PM10 emission limitation through emission tests performed in accordance with 40 CFR Part 51, Appendix M, Methods 1 through 4 and 201.

## **V. Testing Requirements (continued)**

4. Compliance with the beryllium, cadmium, barium, chromium, lead, mercury, nickel, zinc, hydrogen chloride, and chlorine emission limitations may be demonstrated by multiplying the emission factors (lb/MMBtu) established during the emission tests performed in January 1999 by the steam flow rate (heat input) collected and recorded in term A.III.6.

If required, the permittee shall demonstrate compliance with the metals emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 29.

If required, the permittee shall demonstrate compliance with the hydrogen chloride emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 26.

5. **Applicable Compliance Method:**  
Compliance with the sulfur dioxide emission limitation shall be determined by using the fuel analysis records required pursuant to Sections A.III.1 and A.III.2 and the applicable equation in OAC rule 3745-18-04(F).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

6. Compliance with the coal quality specifications shall be demonstrated by the record keeping in Sections A.III.1 and A.III.2.
7. Compliance with the tire derived fuel limit in Section A.II.2 shall be demonstrated by the record keeping in Section A.III.6.
8. Compliance with the total heat input limit when burning tire derived fuel shall be demonstrated by the record keeping in Section A.III.5.
9. Compliance with the average daily operating rate limitation shall be determined by the record keeping requirements in Section A.III.7 of this permit.

## **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
spreader stoker coal or tire derived fuel-fired boiler, having a rated heat input capacity of 249 MMBtu/hr and controlled with an electrostatic precipitator (ESP)		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH11005 (B022)

**Activity Description:** NO. 17 Boiler

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
natural gas-fired boiler having a rated heat input capacity of 197 MMBtu/hour	OAC rule 3745-31-05(D) (PTI 14-1978)	Nitrogen oxides emissions shall not exceed 0.20 lb/MMBtu of actual heat input.  See Sections A.I.2.a and A.II.1.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A) and OAC rule 3745-17-10(B)(1).  Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-10(B)(1)	Particulate emissions shall not exceed 0.020 lb/MMBtu of actual heat input.
	40 CFR Part 60, Subpart Db	The emission limitation/control measures specified in 40 CFR Part 60, Subpart Db are the same as or less stringent than those established in PTI 14-1978.
	40 CFR 52.1881(b)(12)(i)	Sulfur dioxide emissions shall not exceed 1.4 lbs/MMBtu of actual heat input.  See Section A.I.2.b.

##### 2. Additional Terms and Conditions

- 2.a The nitrogen content of the natural gas shall not exceed 0.30 weight percent.

## **2. Additional Terms and Conditions (continued)**

- 2.b** The actual SO<sub>2</sub> emissions from this emissions unit are negligible because the combustion of natural gas is the only source of these emissions (the combustion of natural gas produces negligible amounts of SO<sub>2</sub> emissions).

## **II. Operational Restrictions**

1. The maximum annual natural gas usage for this emissions unit shall not exceed 169,000,000 cubic feet, based upon a rolling, 12-month summation. This fuel limit is less than 10 percent (%) of the emissions unit's maximum potential annual fuel consumption capacity.
2. The permittee shall burn only natural gas in this emissions unit.

## **III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information:
  - a. the total amount of natural gas burned per day, recorded in cubic feet;
  - b. the total amount of natural gas burned per month, recorded in cubic feet (the summation of the values recorded in line a. for each day of the month this emissions unit was in operation); and
  - c. the rolling, twelve-month summation of the amount of natural gas burned (the current month's usage total recorded in line b. added to the previous eleven month's totals recorded in line b.).
2. On a quarterly basis the permittee shall calculate and record the annual capacity factor for natural gas. The annual capacity factor shall be determined on a rolling 12-month basis, with a new annual capacity factor calculated at the end of each calendar month. The annual capacity factor shall be calculated using the methods specified in 40 CFR 60.41(b).
3. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

## **IV. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports that identify each monthly exceedance of the natural gas usage limitation specified in Section A.II.1.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

2. The permittee shall submit annual reports that identify the annual capacity factor for natural gas for each calendar month and the rolling twelve-month natural gas usage total. These reports shall be submitted by January 31 of each year and cover the previous calendar years operation.
3. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

## **V. Testing Requirements**

1. Compliance with the natural gas usage limitation in Section A.II.1 shall be demonstrated by the record keeping in Section A.III.1.
2. Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

## V. Testing Requirements (continued)

3. Emission Limitation:  
Particulate emissions shall not exceed 0.020 lb/MMBtu of actual heat input.

Applicable Compliance Method:

Compliance with the lb/MMBtu limit may be determined by dividing the AP-42 emission factor of 1.9 lbs filterable PE/MM cubic feet by the AP-42 conversion factor of 1020 MMBtu/MM cubic feet. The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

4. Emission Limitation:  
Sulfur dioxide emissions shall not exceed 1.4 lbs/MMBtu of actual heat input.

Applicable Compliance Method:

Compliance with the lb/MMBtu limit may be determined by dividing the AP-42 emission factor of 0.6 lb SO<sub>2</sub>/MM cubic feet by the AP-42 conversion factor of 1020 MMBtu/MM cubic feet. The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

5. The permittee shall conduct, or have conducted, nitrogen oxides emission testing for this emissions unit to demonstrate compliance with the allowable mass emission rate of 0.20 lb nitrogen oxides/MMBtu of actual heat input in accordance with the following requirements:

The emission testing shall be conducted within 12 months after issuance of this permit, and within 12 months prior to permit expiration.

Compliance with the allowable mass emission rate for nitrogen oxides shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

The tests shall be conducted while the emissions unit is operating at or near its maximum capacity.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Service's refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

Facility Name: **Smart Papers LLC**  
Facility ID: **14-09-04-0212**  
Emissions Unit: **CH11005 (B022)**

**VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
natural gas-fired boiler having a rated heat input capacity of 197 MMBtu/hour		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH11001 (F003)  
**Activity Description:** Coal handling and ash unloading

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal unloading (railcar bottom dumping and truck dumping)	OAC rule 3745-17-07(B)	Visible particulate emissions from any fugitive dust emission point shall not exceed 20% opacity, as a 3-minute average, except as specified by rule.
	OAC rule 3745-17-08(B)	Dumping shall be accomplished at a slow rate and in a partially enclosed area to minimize or eliminate visible emissions of fugitive dust.
ash loading and unloading	OAC rule 3745-17-07(B)	Visible particulate emissions from any fugitive dust emission point shall not exceed 20% opacity, as a 3-minute average, except as specified by rule.
	OAC rule 3745-17-08(B)	The permittee shall employ reasonable available control measures (RACM) to minimize or eliminate visible particulate emissions from the ash truck loading operations. Such measures may include, but are not limited to: conditioning the ash with water and/or other dust suppressant materials, application of dust collection and control equipment, or other appropriate control methods.
coal and ash transfer and conveying	OAC rule 3745-17-07(B)	Visible particulate emissions from any fugitive dust emission point shall not exceed 20% opacity, as a 3-minute average, except as specified by rule.

**Operations, Property,  
and/or Equipment**

**Applicable Rules/  
Requirements**

**Applicable Emissions  
Limitations/Control  
Measures**

OAC rule 3745-17-08(B)

The conveyors and transfer points shall be maintained under roof to minimize or eliminate visible emissions of fugitive dust.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

1. Should the control measures specified in A.I.1 fail to be of sufficient effectiveness to demonstrate compliance with the visible emission limitations specified in A.I.1, additional control measures shall be implemented.

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from any of the operations comprising this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

**IV. Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which visible fugitive particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive particulate emissions. These reports shall be submitted to the local air agency by January 31 and July 31 of each year and shall cover the previous 6-month period.

**V. Testing Requirements**

1. Emission Limitation:  
Visible particulate emissions shall not exceed 20% opacity, as a 3-minute average, except as specified by rule.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

**VI. Miscellaneous Requirements**

None

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coal unloading (railcar bottom dumping and truck dumping) and ash loading and unloading		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12078 (K001)  
**Activity Description:** NO. 33 Cast Coater

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**Applicable Compliance Method:**

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: CH12009 (K002)  
Activity Description: NO. 44 Cast Coater

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

None

##### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**Applicable Compliance Method:**

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12010 (K003)  
**Activity Description:** NO. 55 Cast Coater

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**Applicable Compliance Method:**

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12052 (K004)

**Activity Description:** NO. 2 Paper Machine Coater System (Previously Z041)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
number 2 paper machine rod coater	OAC rule 3745-31-05(A)(3) (PTI 14-4176)	211 lbs VOC/hour* 16.25 TPY VOC  * The lbs VOC per hour emission limitation specified is based upon the emissions unit's potential to emit. Therefore no hourly records are required to demonstrate compliance with this limitation.  See Section A.I.2.a.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(F).  The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.
	OAC rule 3745-21-09(F)	

##### 2. Additional Terms and Conditions

- 2.a The VOC content of the coatings employed in this emissions unit shall not exceed 0.051 pound of VOC per gallon, based upon a monthly volume-weighted average, excluding water and exempt solvents (as applied). The permittee employs only water and exempt solvents for cleanup.

##### II. Operational Restrictions

1. The maximum coating usage for this emissions unit shall not exceed 72.74\* gallons per hour and 637,202 gallons per year (excluding water and exempt solvents).

\* The gallon per hour usage limitation is based upon the emissions unit's maximum capacity. Therefore no hourly records are required to demonstrate compliance with this limit.

### III. Monitoring and/or Record Keeping 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, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.
  - c. The amount of each coating employed, in gallons, excluding water and exempt solvents.
  - d. The monthly VOC emissions (the summation of the results of the value from line b. multiplied by the value from line c. for each coating employed).
  - e. The running total VOC emissions for the calendar year (the summation of the values recorded in line d. for each calendar month to date).
  - f. The monthly, volume-weighted average VOC content of all coatings employed in emissions unit K004, excluding water and exempt solvents, as applied. This calculation shall be based on the methods and equations specified in OAC rule 3745-21-10(B)(9) and the information collected and recorded in this section.

### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports for any monthly record which documents any exceedance of the VOC content limitation or the annual VOC emission limitation specified in this permit.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

### V. Testing Requirements

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

2. Emission Limitation:  
16.25 TPY VOC

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1.

3. Emission Limitation:  
211 lbs/hour VOC

Applicable Compliance Method:

This emission limitation was established by multiplying the maximum coating application rate (72.74 gallons per hour) by 2.9 pounds of VOC per gallon.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25.

**V. Testing Requirements (continued)**

4. Emission Limitation:  
0.051 pound of VOC per gallon

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1.

5. The annual coating usage limitation of 637,202 gallons per year was established by multiplying the gallon per hour usage limitation by 8760 hours per year. Therefore, compliance with the annual coating usage limitation shall be assumed provided compliance is maintained with the gallon per hour usage limitation.

**VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
number 2 paper machine coater		

**2. Additional Terms and Conditions**

**None**

**II. Operational Restrictions**

**None**

**III. Monitoring and/or Record Keeping Requirements**

**None**

**IV. Reporting Requirements**

**None**

**V. Testing Requirements**

**None**

**VI. Miscellaneous Requirements**

**None**

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12053 (K005)

**Activity Description:** NO. 3 Paper Machine Coater System (Previously Z042)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
number 3 paper machine rod coater	OAC rule 3745-31-05(A)(3) (PTI 14-4176)	211 lbs VOC/hour* 16.25 TPY VOC  * The lbs VOC per hour emission limitation specified is based upon the emissions unit's potential to emit. Therefore no hourly records are required to demonstrate compliance with this limitation.  See Section A.I.2.a.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(F).  The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.
	OAC rule 3745-21-09(F)	

##### 2. Additional Terms and Conditions

- 2.a The VOC content of the coatings employed in this emissions unit shall not exceed 0.051 pound of VOC per gallon, based upon a monthly volume-weighted average, excluding water and exempt solvents (as applied). The permittee employs only water and exempt solvents for cleanup.

##### II. Operational Restrictions

1. The maximum coating usage for this emissions unit shall not exceed 72.74\* gallons per hour and 637,202 gallons per year (excluding water and exempt solvents).

\* The gallon per hour usage limitation is based upon the emissions unit's maximum capacity. Therefore no hourly records are required to demonstrate compliance with this limit.

### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for emissions unit K005:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.
  - c. The amount of each coating employed, in gallons, excluding water and exempt solvents.
  - d. The monthly VOC emissions (the summation of the results of the value from line b. multiplied by the value from line c. for each coating employed).
  - e. The running total VOC emissions for the calendar year (the summation of the values recorded in line d. for each calendar month to date).
  - f. The monthly, volume-weighted average VOC content of all coatings employed in emissions unit K005, excluding water and exempt solvents, as applied. This calculation shall be based on the methods and equations specified in OAC rule 3745-21-10(B)(9) and the information collected and recorded in this section.

### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports for any monthly record which documents any exceedance of the VOC content limitation or the annual VOC emission limitation specified in this permit.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

### V. Testing Requirements

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

2. Emission Limitation:  
16.25 TPY VOC

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1.

3. Emission Limitation:  
211 lbs/hour VOC

Applicable Compliance Method:

This emission limitation was established by multiplying the maximum coating application rate (72.74 gallons per hour) by 2.9 pounds of VOC per gallon.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25.

**V. Testing Requirements (continued)**

4. Emission Limitation:  
0.051 pound of VOC per gallon

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1.

5. The annual coating usage limitation of 637,202 gallons per year was established by multiplying the gallon per hour usage limitation by 8760 hours per year. Therefore, compliance with the annual coating usage limitation shall be assumed provided compliance is maintained with the gallon per hour usage limitation.

**VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
number 3 paper machine rod coater		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12054 (K006)

**Activity Description:** NO. 9 Paper Machine Coater System (Previously Z043)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
number 9 paper machine coater system	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

None

##### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**Applicable Compliance Method:**

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
number 9 paper machine coater system		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12055 (K007)

**Activity Description:** NO. 10 Paper Machine Coater System (Previously Z044)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
number 10 paper machine coater system	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
number 10 paper machine coater system		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12060 (K008)  
**Activity Description:** NO.3 Cast Coater (Previously Z048)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12061 (K009)  
**Activity Description:** NO.4 Cast Coater (Previously Z049)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12062 (K010)  
**Activity Description:** NO.5 Cast Coater (Previously Z050)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**Applicable Compliance Method:**

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12063 (K011)  
**Activity Description:** NO.6 Cast Coater (Previously Z051)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

None

##### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**Applicable Compliance Method:**

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12064 (K012)  
**Activity Description:** NO.7 Cast Coater (Previously Z052)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

2. **Additional Terms and Conditions**  
 None

**II. Operational Restrictions**  
 None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12065 (K013)  
**Activity Description:** NO.8 Cast Coater (Previously Z053)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**Applicable Compliance Method:**

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12066 (K014)  
**Activity Description:** NO.9 Cast Coater (Previously Z054)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12067 (K015)  
**Activity Description:** NO.10 Cast Coater (Previously Z055)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

None

##### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12068 (K016)  
**Activity Description:** NO.11 Cast Coater (Previously Z056)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12069 (K017)  
**Activity Description:** NO.12 Cast Coater (Previously Z057)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

None

##### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**Applicable Compliance Method:**

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12070 (K018)  
**Activity Description:** NO.13 Cast Coater (Previously Z058)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12071 (K019)  
**Activity Description:** NO.14 Cast Coater (Previously Z059)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**Applicable Compliance Method:**

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12072 (K020)  
**Activity Description:** NO.15 Cast Coater (Previously Z060)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12073 (K021)  
**Activity Description:** NO.22 Cast Coater (Previously Z061)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

None

##### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**Applicable Compliance Method:**

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12074 (K022)  
**Activity Description:** NO.17 Cast Coater (Previously Z062)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12075 (K023)  
**Activity Description:** NO.77 Cast Coater (Previously Z063)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**Applicable Compliance Method:**

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12076 (K024)  
**Activity Description:** NO.88 Cast Coater (Previously Z064)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**Applicable Compliance Method:**

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12077 (K025)  
**Activity Description:** NO.99 Cast Coater (Previously Z065)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

None

##### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH12021 (K026)  
**Activity Description:** NO.1 Cast Coater (Previously Z004)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
cast coat paper coating line		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH19043 (K027)

**Activity Description:** Super Calender Complex Calender (Previously Z066)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
super calender complex calendar	OAC rule 3745-21-09(F)	The VOC content, as applied, of each coating employed shall not exceed 2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The name and identification number of each coating, as applied.
  - b. The VOC content of each coating, in pounds of VOC per gallon, excluding water and exempt solvents, as applied.

The information above shall be collected and recorded as part of the common coating kitchen records for the facility.

(This information does not have to be kept on a line-by-line basis, unless one or more of the lines is a new emissions unit and subject to specific "gallons/year" and "tons/year" limitations, or just a "tons/year" limitation in a Permit to Install. In such cases, for each such new emissions unit only, the above-mentioned information must be maintained separately for that line. Also, if the permittee mixes complying coatings at a line, it is not necessary to record the VOC content of the resulting mixture.)

#### **IV. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

#### **V. Testing Requirements**

1. Emission Limitation:  
2.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section A.III.1. In accordance with OAC rule 3745-21-04(B)(5), USEPA Method 24 shall be used to determine the VOC contents of the coatings. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
super calender complex calendar		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12013 (P009)

**Activity Description:** NO. 2 Mill Tubsize Starch Mix Tank and Tubsize Starch Cookers

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
#2 mill tubsize starch mix tank and cookers controlled with a wet venturi scrubber	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11(B) (Figure II)	Particulate emissions shall not exceed 5.63 lbs/hour.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- The pressure drop across the scrubber shall be continuously maintained at a value of not less than 6 inches of water at all times while the emissions unit is in operation.
- The scrubber water flow rate shall be continuously maintained at a value not less than that established during the most recent performance test that demonstrated that the emissions unit was in compliance, in gallons per minute, at all times while the emissions unit is in operation.

##### III. Monitoring and/or Record Keeping Requirements

- The permittee shall properly operate and maintain equipment to continuously monitor the pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- The pressure drop across the scrubber, in inches of water, on a daily basis.
- The scrubber water flow rate, in gallons per minute, on a daily basis.
- The operating times for the control device fan (which is used by the collection system), monitoring equipment, and the associated emissions unit.

#### **IV. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required level.
  - a. The pressure drop across the scrubber.
  - b. The scrubber water flow rate.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

#### **V. Testing Requirements**

1. Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

2. Emission Limitation:  
5.63 lbs PM/hour

Applicable Compliance Method:

The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted within 6 months after permit issuance.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the local air agency.
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

Facility Name: **Smart Papers LLC**  
Facility ID: **14-09-04-0212**  
Emissions Unit: **CH12013 (P009)**

**VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
#2 mill tubsize starch mix tank and cookers controlled with a wet venturi scrubber		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH19025 (P010)  
**Activity Description:** NO. 1 Mill Trim System (Previously Z017)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
number 1 mill trim system controlled by one air screen system (baghouse) and three cyclones	OAC rule 3745-31-05(A)(3) (PTI 14-4395)	PM-PM10 emissions shall not exceed 25.84* pounds per hour and/or 10.65 tons per year.  *The lbs per hour PM-PM10 emission limitation is based on the emissions unit's potential to emit. Therefore, no hourly record keeping or reporting is required.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A). Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)	The emission limitation established in OAC rule 3745-17-11(B) is less stringent than that established in PTI 14-4395 pursuant to OAC rule 3745-31-05(A)(3).

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- The maximum annual production rate of trim for this emissions unit shall not exceed 12,604 tons for the combined trim cyclones and air screen system (baghouse), based upon a rolling, 12-month summation of the production rates.

## II. Operational Restrictions (continued)

2. The maximum hourly amount of trim produced from the trim cyclones and air screen system (baghouse) shall not exceed 31,207 pounds trim per hour.
3. The permittee shall vent all trim (particulate emissions) from this emissions unit to the trim cyclones and air screen system (baghouse) when the trim cyclones and air screen system (baghouse) are functioning properly.
4. The permittee shall vent all trim (particulate emissions) from this emissions unit to the broke boxes when the trim cyclones and air screen system (baghouse) are not functioning properly.

## III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The total amount of trim produced from the air screen (baghouse) and the cyclone system, in pounds per day.
  - b. The total number of hours the air screen unit was in operation.
  - c. The average hourly amount of trim produced from the air screen (baghouse) and the cyclone system, i.e., (a)/(b), in pounds per hour.
2. The permittee shall collect and record the following information on a monthly basis:
  - a. The total combined amount of trim produced from the air screen (baghouse) system and the cyclone system, recorded in lbs.
  - b. The total, combined, rolling 12-month summation of the amount of trim produced from the air screen (baghouse) system and the cyclone system (the value recorded in line a. for the current month added to the value recorded in line a. for the previous 11 months).
3. The permittee shall properly operate and maintain equipment to monitor the air screen system for broken or leaking bags while the emissions unit is in operation. This equipment shall measure the number of particles in the exhaust gases. The monitoring equipment shall be calibrated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record any monitoring instrument responses of seventy percent of the instrument span or greater and any observed bag breaks and/or leaks in the baghouse on a daily basis. The permittee shall record the date, time, reason and corrective action(s) taken for each time period of emissions unit and control equipment malfunctions and/or monitoring instrument responses greater than or equal to 70 percent of the instrument span. The total operating time of the emissions unit and the total operating time of the monitoring instrument while the air screen unit was on line shall also be included in the record keeping.

### III. Monitoring and/or Record Keeping Requirements (continued)

4. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, and when the trim cyclones and air screen system (baghouse) are functioning properly, for any visible particulate emissions from the air screen (baghouse) and cyclone stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
- the color of the emissions;
  - whether the emissions are representative of normal operations;
  - if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - the total duration of any visible emission incident; and
  - any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

5. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, and when the trim cyclones and air screen system (baghouse) are not functioning properly, for any visible fugitive particulate emissions from the broke box serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
- the color of the emissions;
  - whether the emissions are representative of normal operations;
  - if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - the total duration of any visible emission incident; and
  - any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each monthly record which shows an exceedance of the rolling, cumulative 12-month trim production limitation for the combined trim cyclones and air screen system.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

2. The permittee shall submit quarterly air screen (baghouse) monitoring reports that identify any exceedances of the seventy percent instrument span limitation in term A.III.3 or any observed bag breaks or leaks. If there were no exceedances and broken bags or leaks during the quarter, the permittee shall submit a statement stating so.

#### **IV. Reporting Requirements (continued)**

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the trim production limitation in term A.II.2.
4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the air screen (baghouse) and cyclone stacks serving this emissions unit when the trim cyclones and air screen system (baghouse) are functioning properly and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.
5. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the broke box serving this emissions unit when the trim cyclones or air screen system (baghouse) are not functioning properly and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.

#### **V. Testing Requirements**

1. Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

2. Emission Limitation:  
20.56 TPY PM and 10.65 TPY PM10

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the amount of trim collected, from term A.III.2, by the emission factor of 1.69 lbs PM-PM10 per ton of trim produced, and dividing by 1 ton/2000 lbs. This emission factor is based on worst case source testing conducted from February 23-27, 1998 on this emissions unit.

Should additional testing be required to demonstrate compliance with the PM-PM10 emission limits, Method 5 of 40 CFR Part 60, Appendix A, shall be used for PM, and Method 201 or 201A for PM10 emissions.

3. Compliance with the hourly trim production limit in Section A.II.2 shall be demonstrated by the record keeping in Section A.III.1.

#### **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
number 1 mill trim system controlled by one air screen system (baghouse) and three cyclones		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: CH12011 (P012)  
Activity Description: NO. 2 Paper Machine (Previously Z003)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
stock preparation and papermaking - machine #2	OAC rule 3745-21-07(G)(2)	See Section A.II.1.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

1. This emissions unit currently does not employ any photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5). It is, therefore, exempt from all emission limitations and control requirements contained in OAC rule 3745-21-07(G).

##### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. the company identification of each liquid organic material employed in this emissions unit; and
  - b. a record for each liquid organic material employed, indicating whether or not the material is a photochemically reactive material.

##### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each day in which photochemically reactive materials were employed in this emissions unit.

##### V. Testing Requirements

1. The permittee shall use formulation data provided by the manufacturer or laboratory analysis to determine the composition of each liquid organic material employed in this emissions unit.

##### VI. Miscellaneous Requirements

None

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
stock preparation and papermaking - machine #2		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12012 (P013)  
**Activity Description:** NO. 3 Paper Machine (Previously Z007)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
stock preparation and papermaking - machine #3	OAC rule 3745-21-07(G)(2)	See Section A.II.1.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

1. This emissions unit currently does not employ any photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5). It is, therefore, exempt from all emission limitations and control requirements contained in OAC rule 3745-21-07(G).

##### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. the company identification of each liquid organic material employed in this emissions unit; and
  - b. a record for each liquid organic material employed, indicating whether or not the material is a photochemically reactive material.

##### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each day in which photochemically reactive materials were employed in this emissions unit.

##### V. Testing Requirements

1. The permittee shall use formulation data provided by the manufacturer or laboratory analysis to determine the composition of each liquid organic material employed in this emissions unit.

##### VI. Miscellaneous Requirements

None

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
stock preparation and papermaking - machine #3		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12018 (P014)  
**Activity Description:** NO. 9 Paper Machine (Previously Z011)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
stock preparation and papermaking - machine #9	OAC rule 3745-21-07(G)(2)	See Section A.II.1.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

1. This emissions unit currently does not employ any photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5). It is, therefore, exempt from all emission limitations and control requirements contained in OAC rule 3745-21-07(G).

##### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. the company identification of each liquid organic material employed in this emissions unit; and
  - b. a record for each liquid organic material employed, indicating whether or not the material is a photochemically reactive material.

##### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each day in which photochemically reactive materials were employed in this emissions unit.

##### V. Testing Requirements

1. The permittee shall use formulation data provided by the manufacturer or laboratory analysis to determine the composition of each liquid organic material employed in this emissions unit.

##### VI. Miscellaneous Requirements

None

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
stock preparation and papermaking - machine #9		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12019 (P015)  
**Activity Description:** NO. 10 Paper Machine (Previously Z012)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
stock preparation and papermaking - machine #10	OAC rule 3745-21-07(G)(2)	See Section A.II.1.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

1. This emissions unit currently does not employ any photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5). It is, therefore, exempt from all emission limitations and control requirements contained in OAC rule 3745-21-07(G).

##### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. the company identification of each liquid organic material employed in this emissions unit; and
  - b. a record for each liquid organic material employed, indicating whether or not the material is a photochemically reactive material.

##### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each day in which photochemically reactive materials were employed in this emissions unit.

##### V. Testing Requirements

1. The permittee shall use formulation data provided by the manufacturer or laboratory analysis to determine the composition of each liquid organic material employed in this emissions unit.

##### VI. Miscellaneous Requirements

None

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
stock preparation and papermaking - machine #10		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12014 (P016)  
**Activity Description:** NO. 2 Mill Trim System (Previously Z008)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
number 2 mill trim system	OAC rule 3745-17-11(B)(1) (Table 1)	6.7 lbs PE/hr*  *The potential lbs/hr emissions are less than the allowable. Therefore, no hourly record keeping is required to demonstrate compliance.  The uncontrolled mass rate of emission is less than 10 lbs/hr; therefore, Figure II is not applicable.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- The pressure drop across the baghouse shall be maintained within the range of 0.5 to 8 inches of water while the emissions unit is in operation.

##### III. Monitoring and/or Record Keeping Requirements

- The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

#### IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii of this permit.

#### V. Testing Requirements

1. Emission Limitation:  
6.7 lbs PE/hour

Applicable Compliance Method:

The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted within 6 months after permit issuance.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Hamilton County Department of Environmental Services.
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

2. Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

Facility Name: **Smart Papers LLC**  
Facility ID: **14-09-04-0212**  
Emissions Unit: **CH12014 (P016)**

**VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
number 2 mill trim system		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH19024 (P017)

**Activity Description:** Super Calender Complex Trim Air Separator (Previously Z006)

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
super calender complex trim air separator w/ cyclone	OAC rule 3745-17-11(B)(1) (Table I)	3.26 lbs/hr PE*  The potential to emit for particulate emissions is less than the allowable. Therefore no hourly record keeping is required.
	OAC rule 3745-17-07(A)(1)	The uncontrolled mass rate of emission is less than 10 lbs/hr; therefore, Figure II is not applicable.  Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

**2. Additional Terms and Conditions**

**None**

**II. Operational Restrictions**

**None**

### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.

### V. Testing Requirements

1. Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

2. Emission Limitation:  
3.26 lbs PE/hr

Applicable Compliance Method:

Compliance with the PE emission limitation may be demonstrated by multiplying the maximum process rate of 1420 lbs per hour by an emission factor of 0.0017 lb PE/lb of scrap. This emission factor is taken from PTI application 14-04322 received on 02/06/97.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

### VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
super calender complex trim air separator		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12017 (P018)  
**Activity Description:** Coating Preparation (Previously Z010)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coating preparation area	OAC rule 3745-21-07(G)(2)	See Section A.II.1.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

1. This emissions unit currently does not employ any photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5). It is, therefore, exempt from all emission limitations and control requirements contained in OAC rule 3745-21-07(G).

##### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
  - a. the company identification of each liquid organic material employed in this emissions unit; and
  - b. a record for each liquid organic material employed, indicating whether or not the material is a photochemically reactive material.

##### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each day in which photochemically reactive materials were employed in this emissions unit.

##### V. Testing Requirements

1. The permittee shall use formulation data provided by the manufacturer or laboratory analysis to determine the composition of each liquid organic material employed in this emissions unit.

##### VI. Miscellaneous Requirements

None

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
coating preparation area		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH11006 (P019)  
**Activity Description:** Ash Silo (Previously Z013)

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
ash silo with ash pneumatically conveyed to a baghouse	OAC rule 3745-17-11(B)(1) (Table I)	6.76 lbs/hr PE*  *The potential to emit of particulate emissions is less than the allowable. Therefore, no hourly record keeping is required.  The uncontrolled mass rate of emission is less than 10 lbs/hr; therefore, Figure II is not applicable.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- The pressure drop across the baghouse shall be maintained within the range of 0.5 to 8 inches of water while the emissions unit is in operation.

##### III. Monitoring and/or Record Keeping Requirements

- The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

##### IV. Reporting Requirements

- The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

## **V. Testing Requirements**

1. Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

2. Emission Limitation:  
6.76 lbs PE/hr

Applicable Compliance Method:

Compliance with the PE emission limitation may be demonstrated by multiplying the maximum process rate of 2.11 tons per hour by an emission factor of 2.2 lbs PE/ton of material transferred\* by 1 minus the control efficiency of 98% (1-0.98) for the baghouse.

\*This emission factor is taken from a AP-42 Table, Fifth Edition, Table 11.17-4, Product Transfer and Conveying for Lime (similar product to fly ash).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

## **VI. Miscellaneous Requirements**

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
ash silo with ash pneumatically conveyed to a baghouse		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** CH12016 (P901)  
**Activity Description:** Kady Mill Mixers

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Kady Mill coating mixing system controlled with a venturi scrubber	OAC rule 3745-17-11(B)(1) (Based on Table I)	35 lbs PE/hour  The uncontrolled mass rate of emission is less than 10 lbs/hr; therefore, Figure II is not applicable.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-07(B)(1)	Visible fugitive particulate emissions from any fugitive dust emissions point, shall not exceed 20% opacity as a three-minute average.
	OAC rule 3745-17-08(B)	the use of a collection system vented to a venturi scrubber to minimize or eliminate fugitive visible emissions while loading the mixer

##### 2. Additional Terms and Conditions

None

##### II. Operational Restrictions

- The pressure drop across the scrubber shall be continuously maintained at a value of not less than 5 inches of water at all times while the emissions unit is in operation.

The scrubber water flow rate shall be continuously maintained at a value of not less than 30 gallons per minute at all times while the emissions unit is in operation.

### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- a. The pressure drop across the scrubber, in inches of water, on a daily basis.
  - b. The scrubber water flow rate, in gallons per minute, on a daily basis.
  - c. The operating times for the control device fan (which is used as the collection system), monitoring equipment, and the associated emissions unit.
2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
    - a. the color of the emissions;
    - b. whether the emissions are representative of normal operations;
    - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
    - d. the total duration of any visible emission incident; and
    - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

### IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the following scrubber parameters were not maintained at or above the required levels:
  - a. The static pressure drop across the scrubber.
  - b. The scrubber water flow rate.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.

## V. Testing Requirements

1. Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.  
  
Applicable Compliance Method:  
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
2. Emission Limitation:  
Visible fugitive particulate emissions shall not exceed 20% opacity, as a 3-minute average, except as specified by rule.  
  
Applicable Compliance Method:  
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).
3. Emission Limitation:  
35 lbs PE/hr  
  
Applicable Compliance Method:  
Compliance with the PE emission limitation may be demonstrated by multiplying the maximum process rate of 24.5 tons per hour by an emission factor of 0.27 lb PE/ton of material transferred\* by 1 minus the control efficiency of 90% for the venturi scrubber (1-0.90).  
  
\*This emission factor is taken from AP-42 Table, Fifth Edition, Table 6.4-1 Uncontrolled Emission Factors for Paint Manufacturing.  
  
If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Kady Mill coating mixing system controlled with a venturi scrubber		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - Terms and Conditions for Emissions Units**

**Emissions Unit ID:** CH19043 (P902)  
**Activity Description:** Box Shop Cyclone System

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
pallet and skid manufacturing controlled with a cyclone	OAC rule 3745-17-11(B)(1) (Based on Figure II)	4.95 lbs PE/hour  The allowable PE rate from Table I of OAC rule 3745-17-11(B)(1) is less stringent than the allowable PE rate from Figure II.
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-07(B)(1)	Visible fugitive particulate emissions from any fugitive dust emissions point, shall not exceed 20% opacity as a three-minute average.
	OAC rule 3745-17-08(B)	the use of a collection system vented to a cyclone to minimize or eliminate fugitive visible emissions

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the cyclone stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the cyclone stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.

## V. Testing Requirements

1. Emission Limitation:  
Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as specified by rule.  
  
Applicable Compliance Method:  
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
2. Emission Limitation:  
Visible fugitive particulate emissions shall not exceed 20% opacity, as a 3-minute average, except as specified by rule.  
  
Applicable Compliance Method:  
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).
3. Emission Limitation:  
4.95 lbs PE/hr  
  
Applicable Compliance Method:  
Compliance with the PE emission limitation may be demonstrated by multiplying the uncontrolled particulate emission rate of 27.8 lbs per hour\* by 1 minus the control efficiency of 90% for the cyclone (1-0.90).  
  
\*Based on information supplied by the company  
  
If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

## VI. Miscellaneous Requirements

**None**

**B. State Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Kady Mill coating mixing system controlled with a venturi scrubber		

**2. Additional Terms and Conditions**

None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record Keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

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