



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

10/24/01

**CERTIFIED MAIL**

**RE: Final Title V Chapter 3745-77 permit**

14-31-40-0175  
General Mills Operations Inc  
Keith D. Pullman  
11301 Mosteller Road  
Cincinnati, OH 45241

Dear Keith D. Pullman:

Enclosed is the Title V permit that allows you to operate the facility in the manner indicated in the permit. Because this permit may contain several conditions and restrictions, we urge you to read it carefully.

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

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

Environmental Review Appeals Commission  
236 East Town Street  
Room 300  
Columbus, Ohio 43215

If you have any questions, please contact Hamilton County Dept. of Environmental Services.

Very truly yours,

Thomas G. Rigo, Manager  
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

**FINAL TITLE V PERMIT**

Issue Date: **10/24/01**

Effective Date: **10/24/01**

Expiration Date: **10/24/06**

This document constitutes issuance of a Title V permit for Facility ID: 14-31-40-0175 to:  
General Mills Operations Inc  
11301 Mosteller Road  
Cincinnati, OH 45241

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

<p>B002 (Boiler System) Boiler system consisting of one 73.7 MMBtu/hr boiler to supply steam for facility heating and process operations.</p>	<p>P002 (Cereal Production Line) Pneumatic conveyance from mill to cookers, pneumatic conveyance from pelletizer to tempering oven, tempering oven, pneumatic conveyance from rolls to oven, and finished product oven.</p>	<p>P034 (3rd Floor Roll Lines Building 5) Pneumatic tempered product conveyance system, skimmer system, pneumatic bad product conveyance, pneumatic formed product conveyance system, pre-dryer, puffer, toaster, cooler, coating dryer, and finished product conveyance/packaging system.</p>
<p>B003 (Boiler System) Boiler system consisting of one 73.7 MMBtu/hr boiler to supply steam for facility heating and process operations.</p>	<p>P029 (Cereal Production Line) Pneumatic grain conveyance systems, cooker feed system, tempering dryer, predryer, and oven.</p>	

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 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

Christopher Jones  
Director

## PART I - GENERAL TERMS AND CONDITIONS

### A. State and Federally Enforceable Section

#### 1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
  - i. The date, place (as defined in the permit), and time of sampling or measurements.
  - ii. The date(s) analyses were performed.
  - iii. The company or entity that performed the analyses.
  - iv. The analytical techniques or methods used.
  - v. The results of such analyses.
  - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
  - i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
  - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. 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. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.8 below if no deviations occurred during the quarter.
  - iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to

the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. 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, recordkeeping, 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.

- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

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

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

## **3. Risk Management Plans**

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

## **4. Title IV Provisions**

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

## **5. Severability Clause**

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

## **6. General Requirements**

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

## **7. Fees**

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

## **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.

## **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.

## 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 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.

## 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.

## 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 appropriate Ohio EPA District Office or local air agency 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.

### 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.

#### **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).

#### **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.

#### **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, 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; and
- 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 further clarification, the permittee can refer to Engineering Guide #63 that is available in their STARSHIP software package.)

## **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.

## **18. Insignificant Activity**

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

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

### **1. 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.

### **2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements**

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

### **3. 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.

### **4. 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.

**5. 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).

**6. 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.

**7. 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.

**8. 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:

P001 pneumatic conveyance and cleaning systems  
P026 unloading system A  
P027 unloading system B  
P030 grain conveyance system B  
P033 4th floor cooker room Bldg. 5  
P036 grain cleaning aspiration  
P038 ingredient transfer system  
P901 by-product loadout  
Z001 package line labeling  
Z002 building 5 - finished product oven  
Z003 building 6 - finished product oven  
Z004 plant roads  
Z005 propane system

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:** Boiler System (B002)

**Activity Description:** Boiler system consisting of one 73.7 MMBtu/hr boiler to supply steam for facility heating and process operations.

#### 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>
73.7 MMBtu/hr natural gas and #2 oil-fired boiler	OAC rule 3745-31-05(A)(3) (PTI 14-4653)	See A.I.2. and A.II.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-10(B).
	OAC rule 3745-17-07(A)	The visible emission limitation specified in OAC rule 3745-17-07(A) is less stringent than that established in PTI 14-4653 pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-10(B)	Particulate emissions shall not exceed 0.020 lb/MMBtu of actual heat input.
	OAC rule 3745-18-06(D)	The SO <sub>2</sub> emission limitation specified in OAC rule 3745-18-06(D) is less stringent than that established in PTI 14-4653 pursuant to OAC rule 3745-31-05(A)(3).
	40 CFR Part 60 Subpart Dc	See additional term and condition A.I.2.d.

##### 2. Additional Terms and Conditions

- When burning only fuel oil, the following emission limitations shall not be exceeded:

0.2 lb CO/MMBtu of actual heat input  
 0.17 lb NO<sub>x</sub>/MMBtu of actual heat input  
 0.020 lb PE/PM<sub>10</sub>/MMBtu of actual heat input  
 0.304 lb SO<sub>2</sub>/MMBtu of actual heat input  
 0.0146 lb OC/MMBtu of actual heat input

The lb/MMBtu CO, OC, PE/PM<sub>10</sub>, and NO<sub>x</sub> limitations were developed for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.

## 2. Additional Terms and Conditions (continued)

**2.b** When burning only natural gas, the following emission limitations shall not be exceeded:

0.020 lb PE/PM10/MMBtu of actual heat input  
0.0146 lb OC/MMBtu of actual heat input  
0.06 lb CO/MMBtu of actual heat input  
0.08 lb NOx/MMBtu of actual heat input  
0.0006 lb SO2/MMBtu of actual heat input

The lb/MMBtu CO, OC, PE/PM10, SO2, and NOx limitations were developed for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.

**2.c** The total combined emissions from emissions units B002 and B003 shall not exceed the following:

37.98 TPY CO  
37.79 TPY NOx  
40.54 TPY SO2  
6.45 TPY PE/PM10  
4.71 TPY OC

**2.d** Visible particulate emissions shall not exceed 20% opacity (6-minute average), except for one 6-minute period per hour of not more than 27% opacity.

## II. Operational Restrictions

1. The permittee shall operate and maintain low-NOx burners capable of meeting the NOx emission limitations specified in A.I.1 at all times when operating emissions units B002 and B003.
2. The total heat input for emissions units B002 and B003, combined, shall not exceed 73.7 MMBtu/hr.
3. The total heat output for B002 and B003, combined, shall not exceed 60,000 pounds of steam per hour.
4. The quality of the #2 fuel oil burned in emissions units B002 and B003 shall have a combination of sulfur content and heat content sufficient to comply with the allowable SO2 emission limitation of 0.304 pound SO2/MMBtu actual heat input.

Compliance with the above-mentioned SO2 emission limitation shall be determined by using the analytical results provided by the permittee or oil supplier and the calculated SO2 emission rate for each shipment of oil.

5. The total amount of #2 fuel oil burned in emissions units B002 and B003, combined, shall not exceed 1,900,000 gallons per year based upon a rolling, 12-month summation.
6. The permittee shall burn only natural gas and/or #2 fuel oil in this emissions unit.

## III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information on a monthly basis:
  - a. The total amount of #2 fuel oil burned in emissions units B002 and B003, combined.
  - b. The rolling 12-month summation of the usage totals recorded pursuant to A.III.1.a. above, i.e., the current month's total added to the previous 11-month total.
  - c. The total amount of natural gas burned in emissions units B002 and B003, combined.

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

2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content, and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the Hamilton County Department of Environmental Services.

For each shipment of oil received for burning in emissions units B002 and B003, the permittee shall maintain records of the name of the oil supplier, the total quantity of oil received, the results of the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated SO<sub>2</sub> emission rate in lbs/MMBtu (this calculation shall be performed using the equation specified in OAC rule 3745-18-04(F)).

3. For each day during which the permittee burns a fuel other than natural gas and/or #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
4. The permittee shall continuously monitor and record the total combined steam flow rate for emissions units B002 and B003.

### IV. Reporting Requirements

1. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:
  - a. The total quantity of oil received in each shipment (gallons).
  - b. The weighted\* average heat content (Btu/gallon) of the oil received during each calendar month.
  - c. The weighted\* average sulfur dioxide emission rate (pounds/MMBtu) for the oil received during each calendar month (this calculation shall be performed using the equation specified in OAC rule 3745-18-04(F)).

\* In proportion to the quantity of oil received in each shipment during the calendar quarter. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall cover the oil shipments received during the previous calendar quarters.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the steam flow rate limitation of 60,000 lbs of steam/hr, all exceedances of the rolling, 12-month fuel oil usage limitation of 1,900,000 gallons, and all days when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit.
3. The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I-General Term and Condition A.1.c.ii.

### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):

## V. Testing Requirements (continued)

- 1.a** Emission Limitations-  
0.020 lb of PE/MMBtu of actual heat input  
6.45 TPY of PE

Applicable compliance method when burning only natural gas-

For the use of natural gas, compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (MM cu. ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 1.9 lbs filterable PE/MM cu. ft, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Applicable compliance method when burning #2 fuel oil-

For the use of no. 2 fuel oil, compliance may be determined by multiplying the maximum fuel oil capacity of the emissions unit (gallons/hr) by the AP-42, Fifth Edition, Section 1.3, Table 1.3-1 (revised 9/98) emission factor of 2.0 lbs filterable PE/1000 gallons, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Compliance with the annual emission limitation shall be assumed as long as compliance with the lb/MMBtu limitation and #2 fuel oil usage restriction specified in A.II.5 are maintained (should the annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factors and methodologies specified above and the fuel usage information collected and recorded in A.III.1.).

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitation above pursuant to OAC rule 3745-17-03(B)(9).

- 1.b** Emission Limitations -  
0.304 lb of SO<sub>2</sub>/MMBtu of actual heat input when burning #2 fuel oil  
0.0006 lb of SO<sub>2</sub>/MMBtu of actual heat input when burning only natural gas  
40.54 TPY of SO<sub>2</sub>

Applicable compliance method when burning #2 fuel oil-

Compliance with the allowable sulfur dioxide emission limitation shall be based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the shipments of oil received during the calendar month.

Applicable compliance method when burning natural gas-

For the use of natural gas, compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (MM cu. ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 0.6 lb SO<sub>2</sub>/MM cu. ft, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Compliance with the annual emission limitation shall be assumed as long as compliance with the lb/MMBtu limitation and #2 fuel oil usage restriction specified in A.II.5 are maintained (should the annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factor and methodologies specified above for natural gas, and the calculated SO<sub>2</sub> emission rates and fuel usage information collected and recorded in A.III.2 for #2 fuel oil).

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitations in accordance with USEPA reference Method 6, Method 6A, Method 6B, or Method 6c, whichever is appropriate, of 40 CFR, Part 60, Appendix A.

## V. Testing Requirements (continued)

- 1.c** Emission Limitations-  
0.08 lb of NO<sub>x</sub>/MMBtu of actual heat input when burning only natural gas  
0.17 lb of NO<sub>x</sub>/MMBtu of actual heat input when burning #2 fuel oil  
37.79 TPY of NO<sub>x</sub>

Applicable compliance method when burning only natural gas-

For the use of natural gas, compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (MM cu.ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-1 (revised 7/98) emission factor of 100 lbs NO<sub>x</sub>/MM cu. ft of natural gas, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Applicable compliance method when #2 fuel oil-

For the use of #2 fuel oil, compliance may be determined by multiplying the maximum fuel oil capacity of the emissions unit (gallons/hr) by the AP-42, Fifth Edition, Section 1.3, Table 1.3-1 (revised 9/98) emission factor of 20 lbs NO<sub>x</sub>/1000 gallons of fuel oil, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Compliance with the annual emission limitation shall be assumed as long as compliance with the lb/MMBtu limitation and #2 fuel oil usage restriction specified in A.II.5 are maintained (should the annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factors and methodologies specified above and the fuel usage information collected and recorded in A.III.1.).

If required, the permittee shall demonstrate compliance with the lb/MMBtu limitations in accordance with Method 7, 40 CFR, Part 60, Appendix A.

- 1.d** Emission Limitations-  
0.06 lb of CO/MMBtu of actual heat input when burning only natural gas  
0.2 lb of CO/MMBtu of actual heat input when burning #2 fuel oil  
37.98 TPY of CO

Applicable compliance method when burning only natural gas-

For the use of natural gas, compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (MM cu.ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-1 (revised 7/98) emission factor of 84 lbs CO/MM cu. ft of natural gas, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Applicable compliance method when burning #2 fuel oil-

For the use of #2 fuel oil, compliance may be determined by multiplying the maximum fuel oil capacity of the emissions unit (gallons/hr) by the AP-42, Fifth Edition, Section 1.3, Table 1.3-1 (revised 9/98) emission factor of 5 lbs CO/1000 gallons of fuel oil, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Compliance with the annual emission limitation shall be assumed as long as compliance with the lb/MMBtu limitation and #2 fuel oil usage restriction specified in A.II.5 are maintained (should the annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factors and methodologies specified above and the fuel usage information collected and recorded in A.III.1.).

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitations in accordance with Method 10, 40 CFR, Part 60, Appendix A.

## V. Testing Requirements (continued)

- 1.e** Emission Limitations-  
0.0146 lb of OC/MMBtu of actual heat input  
4.71 TPY of OC

Applicable compliance method when burning natural gas-

For the use of natural gas, compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (MM cu.ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-1 (revised 7/98) emission factor of 5.5 lbs VOC/MM cu. ft of natural gas, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Applicable compliance method when burning #2 fuel oil-

For the use of #2 fuel oil, compliance may be determined by multiplying the maximum fuel oil capacity of the emissions unit (gallons/hr) by the AP-42, Fifth Edition, Section 1.3, Table 1.3-1 (revised 9/98) emission factor of 0.2 lb OC/1000 gallons of fuel oil, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Compliance with the annual emission limitation shall be assumed as long as compliance with the lb/MMBtu limitation and #2 fuel oil usage restriction specified in A.II.5 are maintained (should the annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factors and methodologies specified above and the fuel usage information collected and recorded in A.III.1.).

If required, the permittee shall demonstrate compliance with the lb/MMBtu limitation in accordance with Method 25, 40 CFR, Part 60, Appendix A.

- 1.f** Emission Limitation-  
Visible particulate emissions shall not exceed 20% opacity (6-minute average), except for one 6-minute period per hour of not more than 27% opacity.

Applicable Compliance Method-

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

- 2.** Compliance with the total combined steam flow rate limitation in A.II.3. shall be determined by the record keeping in A.III.4.
- 3.** Compliance with the total combined #2 fuel oil usage limitation in A.II.5. shall be determined by the record keeping in A.III.1.

## VI. Miscellaneous Requirements

- 1. 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>
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**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:** Boiler System (B003)

**Activity Description:** Boiler system consisting of one 73.7 MMBtu/hr boiler to supply steam for facility heating and process operations.

#### 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>
73.7 MMBtu/hr natural gas and #2 oil-fired boiler	OAC rule 3745-31-05(A)(3) (PTI 14-4653)	See A.I.2. and A.II.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-10(B).
	OAC rule 3745-17-07(A)	The visible emission limitation specified in OAC rule 3745-17-07(A) is less stringent than that established in PTI 14-4653 pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-10(B)	Particulate emissions shall not exceed 0.020 lb/MMBtu of actual heat input.
	OAC rule 3745-18-06(D)	The SO <sub>2</sub> emission limitation specified in OAC rule 3745-18-06(D) is less stringent than that established in PTI 14-4653 pursuant to OAC rule 3745-31-05(A)(3).
	40 CFR Part 60 Subpart Dc	See additional term and condition A.I.2.d.

##### 2. Additional Terms and Conditions

- When burning only fuel oil, the following emission limitations shall not be exceeded:

0.2 lb CO/MMBtu of actual heat input  
 0.17 lb NO<sub>x</sub>/MMBtu of actual heat input  
 0.020 lb PE/PM<sub>10</sub>/MMBtu of actual heat input  
 0.304 lb SO<sub>2</sub>/MMBtu of actual heat input  
 0.0146 lb OC/MMBtu of actual heat input

The lb/MMBtu CO, OC, PE/PM<sub>10</sub>, and NO<sub>x</sub> limitations were developed for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.

## 2. Additional Terms and Conditions (continued)

**2.b** When burning only natural gas, the following emission limitations shall not be exceeded:

0.020 lb PE/PM10/MMBtu of actual heat input  
0.0146 lb OC/MMBtu of actual heat input  
0.06 lb CO/MMBtu of actual heat input  
0.08 lb NOx/MMBtu of actual heat input  
0.0006 lb SO2/MMBtu of actual heat input

The lb/MMBtu CO, OC, PE/PM10, SO2, and NOx limitations were developed for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.

**2.c** The total combined emissions from emissions units B002 and B003 shall not exceed the following:

37.98 TPY CO  
37.79 TPY NOx  
40.54 TPY SO2  
6.45 TPY PE/PM10  
4.71 TPY OC

**2.d** Visible particulate emissions shall not exceed 20% opacity (6-minute average), except for one 6-minute period per hour of not more than 27% opacity.

## II. Operational Restrictions

1. The permittee shall operate and maintain low-NOx burners capable of meeting the NOx emission limitations specified in A.I.1 at all times when operating emissions units B002 and B003.
2. The total heat input for emissions units B002 and B003, combined, shall not exceed 73.7 MMBtu/hr.
3. The total heat output for B002 and B003, combined, shall not exceed 60,000 pounds of steam per hour.
4. The quality of the #2 fuel oil burned in emissions units B002 and B003 shall have a combination of sulfur content and heat content sufficient to comply with the allowable SO2 emission limitation of 0.304 pound SO2/MMBtu actual heat input.

Compliance with the above-mentioned SO2 emission limitation shall be determined by using the analytical results provided by the permittee or oil supplier and the calculated SO2 emission rate for each shipment of oil.

5. The total amount of #2 fuel oil burned in emissions units B002 and B003, combined, shall not exceed 1,900,000 gallons per year based upon a rolling, 12-month summation.
6. The permittee shall burn only natural gas and/or #2 fuel oil in this emissions unit.

## III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information on a monthly basis:
  - a. The total amount of #2 fuel oil burned in emissions units B002 and B003, combined.
  - b. The rolling 12-month summation of the usage totals recorded pursuant to A.III.1.a. above, i.e., the current month's total added to the previous 11-month total.
  - c. The total amount of natural gas burned in emissions units B002 and B003, combined.

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

2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content, and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the Hamilton County Department of Environmental Services.

For each shipment of oil received for burning in emissions units B002 and B003, the permittee shall maintain records of the name of the oil supplier, the total quantity of oil received, the results of the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated SO<sub>2</sub> emission rate in lbs/MMBtu (this calculation shall be performed using the equation specified in OAC rule 3745-18-04(F)).

3. For each day during which the permittee burns a fuel other than natural gas and/or #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
4. The permittee shall continuously monitor and record the total combined steam flow rate for emissions units B002 and B003.

### IV. Reporting Requirements

1. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:
  - a. The total quantity of oil received in each shipment (gallons).
  - b. The weighted\* average heat content (Btu/gallon) of the oil received during each calendar month.
  - c. The weighted\* average sulfur dioxide emission rate (pounds/MMBtu) for the oil received during each calendar month (this calculation shall be performed using the equation specified in OAC rule 3745-18-04(F)).

\* In proportion to the quantity of oil received in each shipment during the calendar quarter. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall cover the oil shipments received during the previous calendar quarters.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the steam flow rate limitation of 60,000 lbs of steam/hr, all exceedances of the rolling, 12-month fuel oil usage limitation of 1,900,000 gallons, and all days when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit.
3. The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I-General Term and Condition A.1.c.ii.

### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method(s):

## V. Testing Requirements (continued)

- 1.a** Emission Limitations-  
0.020 lb of PE/MMBtu of actual heat input  
6.45 TPY of PE

Applicable compliance method when burning only natural gas-

For the use of natural gas, compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (MM cu. ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 1.9 lbs filterable PE/MM cu. ft, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Applicable compliance method when burning #2 fuel oil-

For the use of no. 2 fuel oil, compliance may be determined by multiplying the maximum fuel oil capacity of the emissions unit (gallons/hr) by the AP-42, Fifth Edition, Section 1.3, Table 1.3-1 (revised 9/98) emission factor of 2.0 lbs filterable PE/1000 gallons, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Compliance with the annual emission limitation shall be assumed as long as compliance with the lb/MMBtu limitation and #2 fuel oil usage restriction specified in A.II.5 are maintained (should the annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factors and methodologies specified above and the fuel usage information collected and recorded in A.III.1.).

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitation above pursuant to OAC rule 3745-17-03(B)(9).

- 1.b** Emission Limitations -  
0.304 lb of SO<sub>2</sub>/MMBtu of actual heat input when burning #2 fuel oil  
0.0006 lb of SO<sub>2</sub>/MMBtu of actual heat input when burning only natural gas  
40.54 TPY of SO<sub>2</sub>

Applicable compliance method when burning #2 fuel oil-

Compliance with the allowable sulfur dioxide emission limitation shall be based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all of the shipments of oil received during the calendar month.

Applicable compliance method when burning natural gas-

For the use of natural gas, compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (MM cu. ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 0.6 lb SO<sub>2</sub>/MM cu. ft, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Compliance with the annual emission limitation shall be assumed as long as compliance with the lb/MMBtu limitation and #2 fuel oil usage restriction specified in A.II.5 are maintained (should the annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factor and methodologies specified above for natural gas, and the calculated SO<sub>2</sub> emission rates and fuel usage information collected and recorded in A.III.2 for #2 fuel oil).

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitations in accordance with USEPA reference Method 6, Method 6A, Method 6B, or Method 6c, whichever is appropriate, of 40 CFR, Part 60, Appendix A.

## V. Testing Requirements (continued)

- 1.c** Emission Limitations-  
0.08 lb of NO<sub>x</sub>/MMBtu of actual heat input when burning only natural gas  
0.17 lb of NO<sub>x</sub>/MMBtu of actual heat input when burning #2 fuel oil  
37.79 TPY of NO<sub>x</sub>

Applicable compliance method when burning only natural gas-

For the use of natural gas, compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (MM cu.ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-1 (revised 7/98) emission factor of 100 lbs NO<sub>x</sub>/MM cu. ft of natural gas, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Applicable compliance method when #2 fuel oil-

For the use of #2 fuel oil, compliance may be determined by multiplying the maximum fuel oil capacity of the emissions unit (gallons/hr) by the AP-42, Fifth Edition, Section 1.3, Table 1.3-1 (revised 9/98) emission factor of 20 lbs NO<sub>x</sub>/1000 gallons of fuel oil, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Compliance with the annual emission limitation shall be assumed as long as compliance with the lb/MMBtu limitation and #2 fuel oil usage restriction specified in A.II.5 are maintained (should the annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factors and methodologies specified above and the fuel usage information collected and recorded in A.III.1.).

If required, the permittee shall demonstrate compliance with the lb/MMBtu limitations in accordance with Method 7, 40 CFR, Part 60, Appendix A.

- 1.d** Emission Limitations-  
0.06 lb of CO/MMBtu of actual heat input when burning only natural gas  
0.2 lb of CO/MMBtu of actual heat input when burning #2 fuel oil  
37.98 TPY of CO

Applicable compliance method when burning only natural gas-

For the use of natural gas, compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (MM cu.ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-1 (revised 7/98) emission factor of 84 lbs CO/MM cu. ft of natural gas, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Applicable compliance method when burning #2 fuel oil-

For the use of #2 fuel oil, compliance may be determined by multiplying the maximum fuel oil capacity of the emissions unit (gallons/hr) by the AP-42, Fifth Edition, Section 1.3, Table 1.3-1 (revised 9/98) emission factor of 5 lbs CO/1000 gallons of fuel oil, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Compliance with the annual emission limitation shall be assumed as long as compliance with the lb/MMBtu limitation and #2 fuel oil usage restriction specified in A.II.5 are maintained (should the annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factors and methodologies specified above and the fuel usage information collected and recorded in A.III.1.).

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitations in accordance with Method 10, 40 CFR, Part 60, Appendix A.

## V. Testing Requirements (continued)

- 1.e** Emission Limitations-  
0.0146 lb of OC/MMBtu of actual heat input  
4.71 TPY of OC

Applicable compliance method when burning natural gas-

For the use of natural gas, compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (MM cu.ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-1 (revised 7/98) emission factor of 5.5 lbs VOC/MM cu. ft of natural gas, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Applicable compliance method when burning #2 fuel oil-

For the use of #2 fuel oil, compliance may be determined by multiplying the maximum fuel oil capacity of the emissions unit (gallons/hr) by the AP-42, Fifth Edition, Section 1.3, Table 1.3-1 (revised 9/98) emission factor of 0.2 lb OC/1000 gallons of fuel oil, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

Compliance with the annual emission limitation shall be assumed as long as compliance with the lb/MMBtu limitation and #2 fuel oil usage restriction specified in A.II.5 are maintained (should the annual emission rate need to be calculated, the annual emission rate shall be calculated by using the emission factors and methodologies specified above and the fuel usage information collected and recorded in A.III.1.).

If required, the permittee shall demonstrate compliance with the lb/MMBtu limitation in accordance with Method 25, 40 CFR, Part 60, Appendix A.

- 1.f** Emission Limitation-  
Visible particulate emissions shall not exceed 20% opacity (6-minute average), except for one 6-minute period per hour of not more than 27% opacity.

Applicable Compliance Method-

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

- 2.** Compliance with the total combined steam flow rate limitation in A.II.3. shall be determined by the record keeping in A.III.4.
- 3.** Compliance with the total combined #2 fuel oil usage limitation in A.II.5. shall be determined by the record keeping in A.III.1.

## VI. Miscellaneous Requirements

- 1. 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>
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**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:** Cereal Production Line (P002)

**Activity Description:** Pneumatic conveyance from mill to cookers, pneumatic conveyance from pelletizer to tempering oven, tempering oven, pneumatic conveyance from rolls to oven, and finished product oven.

#### 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>
Cereal Production Line consisting of pneumatic conveyance systems from mill to cookers, pneumatic conveyance from pelletizer to tempering oven, pneumatic conveyance from rolls to, oven and finished product oven	OAC rule 3745-31-05(A)(3) (PTI 14-05120)	2.49 lbs PE/PM10/hr 10.9 TPY PE/PM10  The PE and PM10 emission limitations established in PTI 14-05120 were based on the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, or reporting requirements are necessary to demonstrate compliance with these emission limitations.  See A.I.2.a.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	The particulate emission limitation specified in OAC rule 3745-17-11 is less stringent than that established in PTI 14-05120 pursuant to OAC rule 3745-31-05(A)(3).

##### 2. Additional Terms and Conditions

- All the PE from the equipment comprising this emissions unit shall be captured and vented to the baghouses #671 and #1124 and twin cyclones #398 and #399 (common exhaust fan #1213).

## II. Operational Restrictions

1. The particulate emissions from cyclone receiver #2644 shall be vented to baghouse DC #671. The pressure drop across baghouse DC #671 shall be maintained within the range of 0.5 - 10 inches of water while the emissions unit is in operation.

The operation of the control equipment outside the range specified above may or may not indicate a mass emission and/or visible emission violation. If required by the Hamilton County Department of Environmental Services, compliance with the mass emission limitation and visible emission limitations shall be determined by performing concurrent mass emission tests and visible emissions readings, using USEPA-approved methods and procedures. The results of any required emission tests and visible emission readings shall be used in determining whether or not the operation of the control equipment outside the range specified above is indicative of a possible violation of the mass emission limitation and/or visible emission limitations.

## III. Monitoring and/or Record Keeping Requirements

1. 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 fabric filter on a weekly basis.
2. The permittee shall perform weekly checks, when the emissions unit is in operation and when weather conditions allow, for any visible particulate emissions from twin cyclones #398 and #399 (common exhaust #1213). The presence or absence of any visible particulate emissions shall be noted in the operations log. If visible particulate emissions are observed, the permittee shall also note the following in the operations log:
  - a. the location and 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 visible emissions;
  - d. the total duration of any visible emissions incident; and
  - e. any corrective action taken to eliminate the visible emissions.

## 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 in term A.II.1.
2. The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I-General Term and Condition A.1.c.ii.
3. The permittee shall submit semiannual written reports which:
  - a. identify all days during which any visible particulate emissions were observed from the twin cyclones #398 and #399 (exhaust fan #1213) serving this emissions unit; and
  - b. describe any corrective action 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 shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method-

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

**V. Testing Requirements (continued)**

2. Compliance with the lbs/hr and TPY PE limitations shall be demonstrated by the following calculations:

$$(1.74 \text{ lbs PE/hr} * \text{X hrs of operation per year}) / 2000 \text{ lbs/ton} = \text{TPY PE}$$

\*The lbs PE/hr emission rate is based on stack test data and engineering studies performed on similar emissions units. A summary detailing the stack test data and engineering studies used to calculate the PE from this emissions unit can be found in the permittee's March 2, 2001 submittal.

If additional stack testing is required to demonstrate compliance with the allowable PE limitation, Method 5 of 40 CFR, Part 60, Appendix A shall be used to demonstrate compliance.

**VI. Miscellaneous Requirements**

1. **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>
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**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:** Cereal Production Line (P029)

**Activity Description:** Pneumatic grain conveyance systems, cooker feed system, tempering dryer, predryer, and oven.

#### 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>
Cereal Production Line consisting of pneumatic grain conveyance systems, cooker feed system, tempering dryer, predryer, and oven	OAC rule 3745-31-05(A)(3) (PTI 14-04952)	2.21 lbs PE/PM10/hr and 9.7 TPY PE/PM10  The PE and PM10 emission limitations established in PTI 14-04952 were based on the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, or reporting requirements are necessary to demonstrate compliance with these emission limitations.  See A.I.2.a.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	The particulate emission limitation specified in OAC rule 3745-17-11 is less stringent than that established in PTI 14-04592 pursuant to OAC rule 3745-31-05(A)(3).

##### 2. Additional Terms and Conditions

- All the PE from the equipment comprising this emissions unit shall be captured and vented to the baghouses #9292 and #9568.

## II. Operational Restrictions

1. The particulate emissions from cyclone receiver #9295 shall be vented to baghouse #9292. The particulate emissions from the cooler shall be vented to baghouse #9568.

The pressure drop across baghouses #9292 and #9568 shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

The operation of the control equipment outside the range specified above may or may not indicate a mass emission and/or visible emission violation. If required by the Hamilton County Department of Environmental Services, compliance with the mass emission limitation and visible emission limitations shall be determined by performing concurrent mass emission tests and visible emissions readings, using USEPA-approved methods and procedures. The results of any required emission tests and visible emission readings shall be used in determining whether or not the operation of the control equipment outside the range specified above is indicative of a possible violation of the mass emission limitation and/or visible emission limitations.

## III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouses 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 weekly 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 each baghouse did not comply with the allowable range specified in term A.II.1.
2. The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I-General Term and Condition A.1.c.ii.

## V. Testing Requirements

1. Compliance with the lbs/hr and TPY PE limitations shall be demonstrated by the following calculations:

$$(2.1 \text{ lbs PE/hr} * \text{X hrs of operation per year}) / 2000 \text{ lbs/ton} = \text{TPY PE}$$

\*The lbs PE/hr emission rate is based on stack test data and engineering studies performed on similar or identical emissions units. A summary detailing the stack test data and engineering studies used to calculate the PE from this emissions unit can be found in the permittee's March 2, 2001 submittal.

If additional stack testing is required to demonstrate compliance with the allowable PE limitation, Method 5 of 40 CFR, Part 60, Appendix A shall be used to demonstrate compliance.

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

Applicable Compliance Method-

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

## VI. Miscellaneous Requirements

1. **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>
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**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:** 3rd Floor Roll Lines Building 5 (P034)

**Activity Description:** Pneumatic tempered product conveyance system, skimmer system, pneumatic bad product conveyance, pneumatic formed product conveyance system, pre-dryer, puffer, toaster, cooler, coating dryer, and finished product conveyance/packaging system.

#### 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>
3rd Floor Roll Lines in Building 5, consisting of pneumatic tempered product conveyance system, skimmer system, pneumatic bad product conveyance, pneumatic formed product conveyance system, predryer, puffer, toaster, cooler, coating dryer, and finished product conveyance/packaging system	OAC rule 3745-31-05(A)(3) (PTI 14-4524)	3.42 lbs PE/PM10/hr 15.02 TPY PE/PM10 5.97 lbs OC/hr 26.1 TPY OC  The PE/PM10 emission limitations established in PTI 14-4524 were based on the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, or reporting requirements are necessary to demonstrate compliance with these emission limitations.  See A.I.2.a.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	The particulate emission limitation specified in OAC rule 3745-17-11 is less stringent than that established in PTI 14-4524 pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	Exempt, see A.II.1.

##### 2. Additional Terms and Conditions

- All the PE from the equipment comprising this emissions unit shall be captured and vented to baghouses #1594, #2136, #2137, and #2580; wet collectors #2139 and #2140; and twin cyclone #1751.

## II. Operational Restrictions

1. The use of any photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5), is prohibited in this emissions unit.
2. The particulate emissions from cyclone receiver #1745 shall be vented to baghouse #1594. The particulate emissions from the 4th floor conveyance system shall be vented to baghouse #2136. The particulate emissions from the air classifier shall be vented to baghouse #2137. The particulate emissions from the second 2nd floor conveyance system and packaging system shall be vented to baghouse #2580.

The pressure drop across baghouses #1594, #2136, #2137, and #2580 shall each be maintained between 0.5 to 10.0 inches of water.

The operation of the control equipment outside the range specified above may or may not indicate a mass emission and/or visible emission violation. If required by the Hamilton County Department of Environmental Services, compliance with the mass emission limitation and visible emission limitations shall be determined by performing concurrent mass emission tests and visible emissions readings, using USEPA-approved methods and procedures. The results of any required emission tests and visible emission readings shall be used in determining whether or not the operation of the control equipment outside the range specified above is indicative of a possible violation of the mass emission limitation and/or visible emission limitations.

3. The particulate emissions from the application system shall be vented to wet collector #2139. The particulate emissions from the enrober shall be vented to wet collector #2140.

Wet collectors #2139 and #2140 shall each operate with a minimum water flow rate of 0.5 gallon per minute.

The operation of the control equipment outside the range specified above may or may not indicate a mass emission and/or visible emission violation. If required by the Hamilton County Department of Environmental Services, compliance with the mass emission limitation and visible emission limitations shall be determined by performing concurrent mass emission tests and visible emissions readings, using USEPA-approved methods and procedures. The results of any required emission tests and visible emission readings shall be used in determining whether or not the operation of the control equipment outside the range specified above is indicative of a possible violation of the mass emission limitation and/or visible emission limitations.

## III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouses listed in A.II.2 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 each baghouse on a weekly basis.
2. The permittee shall collect and record the following information each month for this emissions unit:
  - a. The company identification of each liquid organic material (flavoring material) employed in this emissions unit and an indication of whether or not it is a photochemically reactive material.
  - b. The number of pounds of each liquid organic material used.
  - c. The OC content, in pounds OC per pound of flavoring.
  - d. The OC emission rate (the summation of line b. X line c. for each material used).
  - e. The total hours of operation.
  - f. The average hourly OC emission rate (the total OC emission rate recorded in line d. divided by the hours of operation recorded in line e.)
  - g. The year-to-date OC emission total (the summation of the monthly OC rates recorded in line d. for each calendar month during the year).

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

3. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from twin cyclone #1751. 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 location and 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 visible emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to eliminate the visible emissions.
4. The permittee shall properly operate and maintain equipment to monitor the water flow rate for the wet collectors listed in A.II.3 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 water flow rate across each wet collector on a weekly basis.

### **IV. Reporting Requirements**

1. The permittee shall submit annual reports which specify the total OC emissions from the emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
2. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across each of the baghouses did not comply with the allowable range specified in A.II.2.
3. The permittee shall submit quarterly water flow rate deviation (excursion) reports that identify all periods of time during which the water flow rate across each wet collector did not comply with the allowable range specified in A.II.3.
4. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the lbs of OC/hr emission limitation specified in A.I.1.
5. The permittee shall submit quarterly deviation (excursion) reports that identify all days during which any photochemically reactive materials were employed.
6. The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I-General Term and Condition A.1.c.ii.
7. The permittee shall submit semiannual deviation (excursion) reports of the following:
  - a. identify all days during which any visible particulate emissions were observed from the twin cyclone #1751 serving 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. Compliance with the TPY PE limitation shall be demonstrated by the following calculations:

$$(3.42 \text{ lbs PE/hr} * X \text{ hrs of operation per year}) / 2000 \text{ lbs/ton} = \text{TPY PE}$$

\*The lbs PE/hr emission rate is based on stack test data and engineering studies performed on similar emissions units. A summary detailing the stack test data and engineering studies used to calculate the PE from this emissions unit can be found in the permittee's March 2, 2001 submittal.

If additional stack testing is required to demonstrate compliance with the allowable PE limitation, Method 5 of 40 CFR, Part 60, Appendix A shall be used to demonstrate compliance.

2. Compliance with the OC emission limitations specified in A.I.1. shall be demonstrated by the information collected and recorded in A.III.2.
3. Emission Limitation-  
Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.  
  
Applicable Compliance Method-  
If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).
4. The OC contents of the flavorings employed shall be determined by formulation data.

## VI. Miscellaneous Requirements

1. **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>
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**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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