John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

7/9/2013

Certified Mail

Mark Koch
MillerCoors LLC
2525 WAYNE MADISON ROAD
TRENTON, OH 45067-9760

Facility ID: 1409000353
Permit Number: P0096207
County: Butler

RE: PRELIMINARY PROPOSED AIR POLLUTION TITLE V PERMIT
Permit Type: Renewal

Dear Permit Holder:

Enclosed is the Ohio Environmental Protection Agency (EPA)Preliminary Proposed Title V permit that was issued in draft form on 5/31/2013. The comment period for the Draft permit has ended. We are now ready to submit this permit to U.S. EPA 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. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab. Comments will be accepted as a marked-up copy of the permit or in narrative format. Any comments must be sent to the following within 14 days of your receipt of this letter:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, Ohio 43216-1049

and

Southwest Ohio Air Quality Agency
250 William Howard Taft Rd.
Cincinnati, OH 45219

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 14 days of your receipt of this letter, we will forward the proposed permit to U.S. EPA for approval. All comments received will be carefully considered before proceeding with the proposed permit.

Sincerely,

Michael W. Ahern

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

Cc: Southwest Ohio Air Quality Agency

Response to Comments

Facility ID:	1409000353
Facility Name:	MillerCoors LLC
Facility Description:	Manufacturing and packaging of malt beverages
Facility Address:	2525 WAYNE MADISON ROAD Trenton, OH 45067-9760 Butler County
Permit:	P0096207, Title V Permit - Renewal
A public notice for the draft permit issuance was published in the Ohio EPA Weekly Review and appeared in the Journal News on 06/04/2013. The comment period ended on 07/04/2013.	
Hearing date (if held)	**NA**
Hearing Public Notice Date (if different from draft public notice)	NA

The following comments were received during the comment period specified. Ohio EPA reviewed and considered all comments received during the public comment period. By law, Ohio EPA has authority to consider specific issues related to protection of the environment and public health. Often, public concerns fall outside the scope of that authority. For example, concerns about zoning issues are addressed at the local level. Ohio EPA may respond to those concerns in this document by identifying another government agency with more direct authority over the issue.

In an effort to help you review this document, the questions are grouped by topic and organized in a consistent format. PDF copies of the original comments in the format submitted are available upon request.

Comments from MillerCoors, dated 7/2/2013:

1. Topic: Emission Testing – Emissions Units B001 and B002

a. Comment: Regarding term f)(2) on page 69, request that the emission testing period for particulate and NOx be extended from 3 months to 6 months after permit issuance to allow for flexibility and scheduling.

Response: Ohio EPA will agree to extend the time period for emission testing to 6 months after permit issuance since it is anticipated that testing would still be performed within five years of the most recent test. The emissions units were lasted tested in 2009 and demonstrated compliance with the emission limitations.

b. Comment: Regarding term f)(3) on page 71, these emissions units cannot operate at the rated heat-input capacity (238 MMBtu/hr) combusting only natural gas. Natural gas is utilized for ignition and supplemental fuel only. Request that natural gas testing requirement for NOx emissions be removed from the permit.

Response: Ohio EPA requested and reviewed additional information submitted by the permittee regarding fuel usage in these emissions units. Based upon the information provided, Ohio EPA will agree to remove the natural gas testing requirement since the boilers cannot operate on

natural gas at the rated heat-input capacity of the boiler. Ohio EPA does understand that the boilers can potentially operate on fuel oil at the rated heat-input capacity; however, the permittee has no plans to use fuel oil at this time. Therefore, Ohio EPA has included language in the permit for NOx emission testing if the boilers commence combustion of fuel oil.

No other comments were received.

PRELIMINARY PROPOSED

Division of Air Pollution Control
Title V Permit
for
MillerCoors LLC

Facility ID:	1409000353
Permit Number:	P0096207
Permit Type:	Renewal
Issued:	7/9/2013
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Division of Air Pollution Control
Title V Permit
for
MillerCoors LLC

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Authorization

Facility ID:	1409000353
Facility Description:	Manufacturing and packaging of malt beverages
Application Number(s):	A0027813, A0027814, A0043552
Permit Number:	P0096207
Permit Description:	Renewal of Title V Operating Permit for MillerCoors LLC, a brewery and packaging facility of malt beverages, that includes boilers, coal handling operations, roadways and parking areas, bottle and can filling lines, and wastewater treatment operations.
Permit Type:	Renewal
Issue Date:	7/9/2013
Effective Date:	To be entered upon final issuance
Expiration Date:	To be entered upon final issuance

Superseded Permit Number: P0096206

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

MillerCoors LLC
2525 WAYNE MADISON ROAD
Trenton, OH 45067-9760

Ohio Environmental Protection Agency (EPA)District Office or local air agency responsible for processing and administering your permit:

Southwest Ohio Air Quality Agency
250 William Howard Taft Rd.
Cincinnati, OH 45219
(513)946-7777

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

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

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

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

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

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

(Authority for term: ORC 3704.036(A))

2. Monitoring and Related Record Keeping and Reporting Requirements

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

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

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

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

(4) The analytical techniques or methods used.

(5) The results of such analyses.

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

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

b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(4) Each written report shall be signed by a responsible official certifying that, "based on information and belief formed after reasonable inquiry, the statements and information in the report (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."

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

(5) Reports of any required monitoring and/or record keeping information shall be submitted to Southwest Ohio Air Quality Agency.

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

3. Scheduled Maintenance

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

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

4. Risk Management Plans

If applicable, the permittee shall develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq. ("Act"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

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

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

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

5. Title IV Provisions

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

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

6. Severability Clause

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

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

7. General Requirements

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

b) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

c) This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with Standard Term and Condition A.11 below. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

d) This permit does not convey any property rights of any sort, or any exclusive privilege.

e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the

Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

f) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:

(1) the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or

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

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

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

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

8. Fees

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

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

9. Marketable Permit Programs

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

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

10. Reasonably Anticipated Operating Scenarios

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

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

11. Reopening for Cause

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

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

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

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

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

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

12. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

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

13. Compliance Requirements

a) Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official

that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

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

(2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.

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

(4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c) The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

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

(2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

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

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

(2) Compliance certifications shall include the following:

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

b. The permittee's current compliance status.

c. Whether compliance was continuous or intermittent.

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

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

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

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

14. Permit Shield

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

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

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

15. Operational Flexibility

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

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

16. Emergencies

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

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

17. Off-Permit Changes

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

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

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

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

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

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

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

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

18. Compliance Method Requirements

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

(This term is provided for informational purposes only.)

19. Insignificant Activities or Emissions Levels

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

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

20. Permit to Install Requirement

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

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

21. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

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

22. Permanent Shutdown of an Emissions Unit

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

After the date on which an emissions unit is permanently shut down (i.e., that has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

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

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

23. Title VI Provisions

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

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

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

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

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

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

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

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

25. Records Retention RequirementsUnder State Law Only

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

26. Inspections and Information Requests

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

whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

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

27. Scheduled Maintenance/Malfunction Reporting

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

28. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

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

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

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

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

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

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

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

B. Facility-Wide Terms and Conditions

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

   a) None.

2. The following insignificant emissions units at this facility must comply with all applicable State and federal regulations, as well as any emissions limitations and/or control requirements contained within the identified permit-to-install for the emissions unit. The insignificant emissions units listed below are subject to one or more applicable requirements contained in a permit-to-install or in the SIP approved versions of OAC Chapters 3745-17, 3745-18, 3745-21, and 3745-31, and/or 40 CFR Part 60 or 63:

   B004 5.6 MMBtu/hour Fuel Oil-fired Boiler, Wastewater Treatment Plant;

   F002 Coal Storage Pile [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979, including modification issued 11/16/1982, for emissions unit F002];

   P004 Coal Bunker #1 [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

   P005 Coal Bunker #2 [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

   P006 Boiler Ash Handling System [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

   P007 Boiler Fly Ash Silo [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

   P008 Boiler Bottom Ash Silo [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

   P009 Ash Silo, Wastewater Treatment Plant [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

   P012 Grain Unloading Hoppers [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

   P013 Grain Storage Silos [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

   P014 Grains Building Vacuum Cleaning System [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

   P015 Malt Transfer System 1 [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

   P016 Malt Transfer System 2 [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

   P017 Malt Transfer System 3 [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 1 1/5/1979];

   P019 Malt Milling and Weighing [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

P020 Brewhouse Vacuum Cleaning System [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

P024 Diatomaceous Earth Handling System [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

P025 Lime Silo, Wastewater Treatment Plant [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979];

P038 Malt Mill #1 [Permit to Install #P0105363, issued 11/24/2009];

P039 Malt Mill #2 [Permit to Install #P0105363, issued 11/24/2009];

P040 185 hp Fire Pump #1 [Permit By Rule #PBR07557];

P041 185 hp Fire Pump #2 [Permit By Rule #PBR07557]; and

P042 50 kW Brewing D-3 electrical generator [Permit By Rule #PBR09477].

3. The following emissions units contained in this permit are subject to 40 CFR Part 63, Subparts A and ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines: P040 and P041. The complete NESHAP requirements, including the NESHAP General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 63)

4. The following emissions units contained in this permit are subject to 40 CFR Part 60, Subparts A and JJJJ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (NSPS): P042. The complete NSPS requirements, including the NSPS General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 60)

5. The following emissions units contained in this permit are subject to 40 CFR Part 63, Subparts A and DDDDD, National Emission Standards for Hazardous Air Pollutants (NESHAP) Industrial, Commercial, and Institutional Boilers and Process Heaters: B001, B002, B003, B004, and B007. The complete NESHAP requirements, including the NESHAP General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR Part 63)

6. The Southwest Ohio Air Quality Agency has approved the Compliance Assurance Monitoring (CAM) plan submitted by the permittee, pursuant to 40 CFR Part 64, for emissions units B001 and B002. The permittee shall comply with the provisions of the plan (as specified in Part C - Terms and Conditions for Emissions Units) during any operation of the aforementioned emissions units.

Pursuant to 40 CFR 64.2(b), CAM will not apply to the MACT emission limitations or standards in 40 CFR Part 63, Subpart DDDDD, after the compliance date in that rule.

(Authority for term: 40 CFR Part 64)

7. The following abbreviations are used throughout this permit.

NOx = Nitrogen Oxides

CO = Carbon Monoxide

OC = Organic Compounds

VOC = Volatile Organic Compounds

PE = Particulate matter measurable by the applicable test methods in 40 CFR Part 60, Appendix A, "Standards of Performance for New Stationary Sources"

PM_{10} = Particulate matter with an aerodynamic diameter less than or equal to a nominal ten micrometers as measured either by a reference method that is based on 40 CFR Part 50, Appendix J and designated in accordance with 40 CFR Part 53 or by an equivalent method designated in accordance with 40 CFR Part 53

$PM_{2.5}$ = Particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 micrometers as measured either by a reference method that is based on 40 CFR Part 50, Appendix L and designated in accordance with 40 CFR Part 53 or by an equivalent method designated in accordance with 40 CFR Part 53

SO_2 = Sulfur dioxide

HAP = Hazardous Air Pollutant

TPY = Tons per year

MMBtu = million British thermal units

PTI = Permit to Install

CFR = Code of Federal Regulations

OAC = Ohio Administrative Code

ORC = Ohio Revised Code

SIP = State Implementation Plan

MACT = Maximum Achievable Control Technology

PSD = Prevention of Significant Deterioration

C. Emissions Unit Terms and Conditions

1. F001, COAL HANDLING SYSTEM

Operations, Property and/or Equipment Description:

Coal Handling System, including track hopper, crusher, transfer tower, and conveyors

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) *Best Available Technology (BAT)*	The requirements of this rule include compliance with the requirements of OAC rules 3745-31-10 through 20.
b.	OAC rules 3745-31-10 through 20 [PSD Approval to Construct 5-79-A-28 and PTI #18-080, issued 11/5/1979, including modification issued 7/26/1982, for emissions unit F001] *Prevention of Significant Deterioration (PSD)*	There shall be no visible fugitive PE from the coal handling system track hoppers, crusher, and transfer tower except for a period of time not to exceed two minutes during any sixty minute observation period of no more than 20% opacity. The permittee shall comply with the fugitive PE control requirements specified in b)(2)a.
c.	OAC rule 3745-17-07(B)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rules 3745-31-10 through 20.
d.	OAC rule 3745-17-08(B)	The requirements of this rule are less stringent than the requirements established pursuant to OAC rules 3745-31-10 through 20.

(2) Additional Terms and Conditions

a. A foam suppression system shall be utilized to minimize fugitive particulate emissions from the coal handling operations (track hoppers, crusher, and transfer). The use of a foam suppression system and compliance with the visible

fugitive PE limitation in b)(1)b. represent Best Available Control Technology (BACT) under PSD.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation, for any visible emissions of fugitive dust from the coal handling system. 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. the total duration of any visible emissions incident; and

c. any corrective actions taken to eliminate the visible emissions.

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

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979 and 7/26/1982:d)(1). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that identify:

a. all days during which any visible emissions of fugitive dust were observed from the coal handling system; and

b. any corrective actions taken to eliminate the visible emissions.

These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979 and 7/26/1982:e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance

with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

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

a. Emission Limitation:

There shall be no visible fugitive PE from the coal handling system track hoppers, crusher, and transfer tower except for a period of time not to exceed two minutes during any sixty minute observation period of no more than 20% opacity.

Applicable Compliance Method:

Compliance with the visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No Method 9 visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

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

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979 and 7/26/1982:f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) None.

2. F003, PAVED ROADS & PARKING

Operations, Property and/or Equipment Description:

Paved Roads and Parking Areas

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01. [PTI #P0108188, issued 6/28/2011] *Best Available Technology (BAT)*	Fugitive PE shall not exceed 6.19 TPY. Fugitive PM_{10} emissions shall not exceed 1.24 TPY. Fugitive $PM_{2.5}$ emissions shall not exceed 0.30 TPY. See b)(2)a. No visible particulate emissions except for one minute during any 60-minute period. The visible emission limitations in OAC rule 3745-17-07(B)(4) will apply once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(B) and 3745-17-08(B).
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06.	See b)(2)b.
c.	OAC rule 3745-17-07(B)(4)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan. See b)(2)h.
d.	OAC rule 3745-17-08(B)	See b)(2)d. through b)(2)g. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the ORC changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limitations/control measures no longer apply.

b. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE, PM_{10} and $PM_{2.5}$ emissions from this air contaminant source since the potential to emit for PE, PM_{10} and $PM_{2.5}$ emissions is less than ten tons per year.

c. The paved roadways that are covered by this permit and subject to the above-mentioned requirements are listed below:

Finished Product

Brewing Materials

Packaging Materials

Fuel Materials

WWTP Sludge

Employee Vehicles

d. The permittee shall employ reasonably available control measures on all paved roadways for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways by using a sweeper truck at sufficient treatment frequencies to ensure compliance and by restricting vehicular traffic to low speeds. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

e. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

f. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.

g. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.

h. There shall be no visible particulate emissions except for a period of time not to exceed six minutes during any 60-minute observation period. This less stringent limitation applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of the roadways in accordance with the following frequencies:

paved roadways	minimum inspection frequency
Finished Product	weekly
Brewing Materials	weekly

Packaging Materials	weekly
Fuel Materials	weekly
WWTP Sludge	weekly
Employee Vehicles	weekly

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-17-08(B))

(2) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-17-08(B))

(3) The permittee may, upon receipt of written approval from the Hamilton County Department of Environmental Services, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-17-08(B))

(4) The permittee shall maintain records of the following information:

a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

c. the dates the control measures were implemented; and

d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in d)(4)d. shall be kept for the paved roadways, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-17-08(B))

(5) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0108188, issued on 6/28/2011:d)(1) through d)(4). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit deviation reports that identify any of the following occurrences:

a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

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

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-17-08(B))

(2) The permittee shall submit annual reports that specify the total $PE/PM_{10}/PM_{2.5}$ emissions from this emissions unit for the calendar year. These reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0108188, issued on 6/28/2011:e)(1) and e)(2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

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

a. Emission Limitations:

No visible particulate emissions except for one minute during any 60-minute period.*

There shall be no visible particulate emissions except for a period of time not to exceed six minutes during any 60-minute observation period.**

Applicable Compliance Method:

Compliance with the visible emissions limitations for fugitive dust from the paved roadways and/or parking areas identified in this permit shall be determined in accordance with U.S. EPA Method 22 and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

No Method 22 visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

*This visible emission limitation applies until U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

**This visible emission limitation applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-17-08(B))

b. Emission Limitations:

PE from the paved roadways and parking areas shall not exceed 6.19 TPY.

PM_{10} emissions from the paved roadways and parking areas shall not exceed 1.24 TPY.

$PM_{2.5}$ emissions from the paved roadways and parking areas shall not exceed 0.30 TPY.

Applicable Compliance Methods:

Compliance shall be determined using the following equations:

tons PE/yr = (A) x (B) x (1-C) x 1 ton/2000 lbs

tons PM_{10}/yr = (A) x (B) x (1-C) x 1 ton/2000 lbs

tons $PM_{2.5}$/yr = (A) x (B) x (1-C) x 1 ton/2000 lbs

where,

A = PE, PM_{10} or $PM_{2.5}$ emission factor, lb/VMT, calculated from AP-42, Section 13.2.1 (January, 2011)

B = annual vehicle miles traveled (VMT)

C = control efficiency for paved roadways, (80% from low speed and sweeping)

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-17-08(B))

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0108188, issued on 6/28/2011:f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) None.

3. F004, UNPAVED ROADS & PARKING

Operations, Property and/or Equipment Description:

Unpaved Roads and Parking Areas

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [General Permit PTI #P0108214, issued 6/28/2011] *Best Available Technology (BAT)*	Fugitive PE shall not exceed 25.2 TPY. Fugitive PM_{10} emissions shall not exceed 7.4 TPY. No visible PE except for a period of time not to exceed 3 minutes during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)a. through b)(2)f.
b.	OAC rule 3745-17-07(B)(5)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-08(B)	See b)(2)a. through b)(2)e.

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to treat the unpaved roadways and parking areas by application of chemical stabilization/dust suppressants and/or watering at sufficient treatment frequencies to ensure compliance. Nothing in

this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

b. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for unpaved roadways and parking areas that are covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

c. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.

d. Any unpaved roadway or parking area that is subsequently paved, will require a General Permit for paved roadways and parking areas or a modification of the permit for emissions unit F003.

e. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.

f. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of each of the roadway segments and parking areas in accordance with the following frequencies:

unpaved roadways and parking areas	minimum inspection frequency
all roads and parking areas	daily

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-17-08(B))

(2) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-17-08(B))

(3) The permittee shall maintain records of the following information:

a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

c. the dates the control measures were implemented; and

d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in term d)(3)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-17-08(B))

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0108214, issued on 6/28/2011:d)(1) through d)(3). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit deviation reports that identify any of the following occurrences:

a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-08(B))

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0108214, issued on 6/28/2011:e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

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

a. Emission Limitations:

Fugitive PE shall not exceed 25.2 TPY.

Fugitive PM_{10} emissions shall not exceed 7.4 TPY.

Applicable Compliance Method:

Compliance with fugitive PE and PM_{10} limitations shall be determined by using the emission factor equations in Section 13.2.2, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 12/03) for unpaved roadways. Should further updates in AP-42 occur, the most current equations for unpaved roads shall be used. These emission limits contained in the General Permit P0108214, issued 6/28/2011 for this emissions unit were based on a maximum of 120,000 vehicle miles traveled per year, and a 95% control efficiency for PE and PM_{10}.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

b. Emission Limitation:

No visible PE from unpaved roadways and parking areas except for a period of time not to exceed 3 minutes during any 60-minute observation period.

Applicable Compliance Method:

Compliance with the visible PE limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

No Method 22 visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0108214, issued on 6/28/2011:f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) None.

4. P030, PACKAGING

Operations, Property and/or Equipment Description:

Packaging Operation, consisting of bottle filling, can filling, keg filling, beer dump, videojets, and cleaning

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI #P0111980, issued 2/27/2013] *Best Available Technology (BAT)*	VOC emissions shall not exceed 13.74 pounds per hour and 60.18 TPY. See b)(2)a. and b)(2)b.
b.	OAC rule 3745-31-21 through 27 [PTI 14-4289 issued 7/8/1998 is subsumed into P0111980] *Nonattainment New Source Review*	See b)(2)c. VOC emissions shall not exceed 42.2 pounds per hour and 184.9 TPY. The emission limitations established pursuant to this rule within PTI 14-4289 are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-21-07(M)	See b)(2)d.

(2) Additional Terms and Conditions

a. The hourly VOC emission limit was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this short term emissions limitation. Based on this hourly potential emissions rate, the unrestricted potential to emit for VOC emissions from this emissions unit, based on 8,760 hours of operation per year, is 60.18 tons per year.

b. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) are equivalent to the hourly and annual emission limitations for this emissions unit based upon the uncontrolled potential to emit.

c. The VOC emission limitations originally established under OAC rule 3745-31-05(A)(3) in PTI 14-4289, issued 7/8/1998, represented the Lowest Achievable Emissions Rate (LAER) determination for this emissions unit conducted pursuant to the requirements of OAC rules 3745-31-21 through 27. No change to the LAER determination was made as a result of PTI P0111980, issued 2/27/2013.

d. The requirements of OAC rule 3745-21-07(M) are not applicable because there is/are no control device(s) for this emission unit.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each calendar year for this emissions unit:

a. the barrels of material processed in each operation;

b. the emission factor(s) in pounds per 1,000 barrels for each operation; and

c. the total VOC emissions, in tons per year.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rules 3745-31-21 through 27)

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0111980, issued on 2/27/2013:d)(1). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit annual reports that specify the total VOC emissions, in tons per year, from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report due by April 15th of each year.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rules 3745-31-21 through 27)

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0111980, issued on 2/27/2013:e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

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

a. Emission Limitation:

VOC emissions shall not exceed 13.74 pounds per hour and 60.18 TPY.

Applicable Compliance Method:

The hourly and annual emission limitations specified above are based on the emissions unit's potential to emit, the permittee-supplied emission factors, and the maximum packaging production rates of 1.301 thousand-barrels per hour and 11,400 thousand-barrels per year for this emissions unit. The permittee-supplied emission factors provided with the application for this permit modification were based upon confidential updated emissions test data from comparable brewing and packaging operations at the MillerCoors Milwaukee Brewery and AP-42 Chapter 9.12.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rules 3745-31-21 through 27)

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0111980, issued on 2/27/2013:f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) None.

5. P031, COLD SERVICES

Operations, Property and/or Equipment Description:

Cold Services, including heat recovery wheels, fermentation, spent yeast, and aging operations.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI #P0111979, issued 5/9/2013] *Best Available Technology (BAT)*	VOC emissions shall not exceed 3.96 pounds per hour and 15.05 TPY. See b)(2)a. and b)(2)b.
b.	OAC rule 3745-21-07(M)	See b)(2)c.

(2) Additional Terms and Conditions

a. The hourly VOC emission limit was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this short term emissions limitation. Based on the hourly potential emissions rate, the annual potential to emit for VOC emissions from this emissions unit is 15.05 tons per year since emissions unit P031 is bottlenecked by downstream packaging operations at a maximum annual production rate for the facility of 13,783 thousand-barrels packaged from emissions units P030 and P033, combined, as provided in the PTI application for this emissions unit.

Prior to any physical change or change in the method of operation in the packaging operations at this facility, the permittee shall conduct an evaluation to determine if the change would debottleneck emissions unit P031 and constitute a "modification" as defined in OAC rule 3745-31-01. If any physical change in, or change(s) in the method of operation, is (are) defined as a modification, then the permittee shall obtain a final PTI modification prior to performing such a change.

b. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) are equivalent to the hourly and annual emission limitations for this emissions unit based upon the uncontrolled potential to emit.

c. The requirements of OAC rule 3745-21-07(M) are not applicable because there is/are no control device(s) for this emission unit.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each calendar year for this emissions unit:

a. the barrels of material processed in each operation within this emissions unit;

b. the emission factor(s) in pounds per 1,000 barrels for each operation; and

c. the total VOC emissions, in tons per year.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0111979, issued on 5/9/2013:d)(1). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit annual reports that specify the total VOC emissions, in tons per year, from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report due by April 15th of each year.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0111979, issued on 5/9/2013:e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

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

a. Emission Limitations:

VOC emissions shall not exceed 3.96 pounds per hour and 15.05 TPY.

Applicable Compliance Method:

The hourly and annual emission limitations specified above are based on the emissions unit's potential to emit, the permittee-supplied emission factors, and the maximum production rate of 1.055 thousand-barrels brewed/hour and 13,783 thousand-barrels packaged per year from this emissions unit. The permittee-supplied emission factors provided with the application for this permit modification were based upon confidential updated emissions test data from comparable brewing and packaging operations at the MillerCoors Milwaukee Brewery and the 2012 emissions study at the MillerCoors Trenton Brewery.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0111979, issued on 5/9/2013:f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) None.

6. P032, WASTEWATER TREATMENT

Operations, Property and/or Equipment Description:

6.1 mgd wastewater treatment plant with equalization tank, diffused aeration basins, and secondary clarifiers

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI #14-05109, issued 4/15/2004] *Best Available Technology (BAT)*	VOC emissions shall not exceed 8.1 pounds per hour and 35.3 TPY. See b)(2)a. and b)(2)b.

(2) Additional Terms and Conditions

a. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) are equivalent to the hourly and annual emission limitations for this emissions unit based upon the uncontrolled potential to emit.

b. The hourly VOC emission limit was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this short term emissions limitation. Based on this hourly potential emissions rate, the unrestricted potential to emit for VOC emissions from this emissions unit, based on 8,760 hours of operation per year, is 35.3 tons per year.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each calendar year for this emissions unit:

a. the wastewater flow rate to this emissions unit, in million gallons per year;

b. the emission factor(s) for the wastewater treatment process, including the VOC concentration of the wastewater in mg/L; and

c. the total VOC emissions, in tons per year.

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

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #14-05109, issued 4/15/2004:d)(1). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #14-05109, issued 4/15/2004:e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

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

a. Emission Limitations:

VOC emissions shall not exceed 8.1 pounds per hour and 35.3 TPY.

Applicable Compliance Method:

The hourly and annual emission limitations specified above are based on the emissions unit's potential to emit, the permittee-supplied emissions data contained in the application for PTI 14-05109, and the maximum wastewater

treatment capacity for this emissions unit. Compliance with the annual emission limitation shall be demonstrated by the record keeping specified in d)(1).

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #14-05109, issued 4/15/2004:f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) None.

7. P033, C1 CAN FILLING LINE

Operations, Property and/or Equipment Description:

Can Filling Line - C1

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI #P0111979, issued 5/9/2013] *Best Available Technology (BAT)*	VOC emissions shall not exceed 2.87 pounds per hour and 12.57 TPY. See b)(2)a. and b)(2)b.
b.	OAC rule 3745-21-07(M)	See b)(2)c.

(2) Additional Terms and Conditions

a. The hourly VOC emission limit was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this short term emissions limitation. Based on the hourly potential emissions rate, the annual potential to emit for VOC emissions from this emissions unit, based on 8,760 hours of operation per year, is 12.57 tons per year.

b. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) are equivalent to the hourly and annual emission limitations for this emissions unit based upon the uncontrolled potential to emit.

c. The requirements of OAC rule 3745-21-07(M) are not applicable because there is/are no control device(s) for this emission unit.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each calendar year for this emissions unit:

a. the barrels of material processed in this emissions unit;

b. the emission factor(s) in pounds per 1,000 barrels for this emissions unit; and

c. the total VOC emissions, in tons per year.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0111979, issued on 5/9/2013:d)(1). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit annual reports that specify the total VOC emissions, in tons per year, from this emissions unit for the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report due by April 15th of each year.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0111979, issued on 5/9/2013:e)(1). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

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

a. Emission Limitations:

VOC emissions shall not exceed 2.87 pounds per hour and 12.57 TPY.

Applicable Compliance Method:

The hourly and annual emission limitations specified above are based on the emissions unit's potential to emit, the permittee-supplied emission factors, and the maximum packaging production rate on this can line of 0.272 thousand-barrels per hour and 2,383 thousand-barrels per year (assumes 8,760 hours/year). The permittee-supplied emission factors provided with the application for this permit modification were based upon confidential updated emissions test data from comparable brewing and packaging operations at the MillerCoors Milwaukee Brewery and AP-42 Chapter 9.12.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0111979, issued on 5/9/2013:f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) None.

8. Emissions Unit Group - Boilers: B001 and B002

EU ID	Operations, Property and/or Equipment Description
B001	238 MMBtu/hr pulverized coal/fuel oil-fired boiler (including 20 MMBtu natural gas burners for startup and supplemental fuel), equipped with baghouse and steam turbine
B002	238 MMBtu/hr pulverized coal/fuel oil-fired boiler (including 20 MMBtu natural gas burners for startup and supplemental fuel), equipped with baghouse and steam turbine

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

(1) d)(16) – d)(18).

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) [PTI #P0111979, issued 5/9/2013] *Best Available Technology (BAT)*	<u>When burning coal:</u> PE/PM_{10} shall not exceed 0.031 pound per MMBtu; PE shall not exceed 0.01 grains/acf; NOx emissions shall not exceed 0.7 pound per MMBtu; VOC emissions shall not exceed 0.62 pound per hour; CO emissions shall not exceed 5.2 pounds per hour; SO_2 emissions shall not exceed 1.6 pounds per MMBtu; Hydrogen chloride (HCl) emissions shall not exceed 21.4 pounds per hour; and Hydrogen fluoride (HF) emissions shall not exceed 1.6 pounds per hour. <u>When burning No. 6 oil:</u> PE/PM_{10} shall not exceed 0.125 pound per MMBtu (based on total heat input of 476 MMBtu/hour for emissions units B001 and B002, combined); PE shall not exceed 0.01 grains/acf; NOx emissions shall not exceed 0.7 pound per MMBtu;

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		VOC emissions shall not exceed 1.2 pounds per hour; CO emissions shall not exceed 8.15 pounds per hour; and SO_2 emissions shall not exceed 1.6 pounds per MMBtu. <u>When burning No. 2 oil:</u> PE/PM_{10} shall not exceed 0.020 pound per MMBtu; PE shall not exceed 0.01 grains/acf; NOx emissions shall not exceed 0.7 pound per MMBtu; VOC emissions shall not exceed 0.38 pound per hour; CO emissions shall not exceed 8.5 pounds per hour; and SO_2 emissions shall not exceed 1.6 pounds per MMBtu. <u>When burning natural gas:</u> PE/PM_{10} shall not exceed 0.020 pound per MMBtu; PE shall not exceed 0.01 grains/acf; NOx emissions shall not exceed 0.7 pound per MMBtu; VOC emissions shall not exceed 2.6 pounds per hour; CO emissions shall not exceed 20.0 pounds per hour; and SO_2 emissions shall not exceed 1.6 pounds per MMBtu. <u>When burning any combination of fuels, each emissions unit shall not exceed the following emission limitations:</u> VOC emissions shall not exceed 11.5 TPY*; and CO emissions shall not exceed 87.6 TPY*. *based on rolling, 12-month summations. <u>When burning any combination of fuels, emissions units B001 and B002, combined, shall not exceed the following emission limitations:</u> PE/PM_{10} shall not exceed 122.9 TPY*;

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		HCl emissions shall not exceed 187.6 TPY*; and HF emissions shall not exceed 17.7 TPY*. *based on rolling, 12-month summations. See b)(2)a., b)(2)b., b)(2)e., and c)(1). The CO, HCl, and particulate emission limitations established pursuant to OAC rule 3745-31-05(A)(3) when combusting coal and fuel oil are less stringent than the emission limitations established pursuant to 40 CFR Part 63, Subpart DDDDD. The permittee shall comply with all applicable emission limitations (including any less stringent emission limitation) after the compliance date in 40 CFR Part 63, Subpart DDDDD. The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-10 through 20, OAC rule 3745-18-15(O)(1), OAC rule 3745-17-07(A)(1), OAC rule 3745-17-10(B)(1), OAC rule 3745-17-10(C)(1), and 40 CFR Part 63, Subpart DDDDD.
b.	OAC rules 3745-31-10 through 20 [PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979, and PSD PTI 14-05662, issued 7/28/2005, are subsumed into P0111979. See g)(1).] *Prevention of Significant Deterioration (PSD)*	<u>When burning any combination of fuels, emissions units B001 and B002, combined, shall not exceed the following emission limitations:</u> SO_2 emissions shall not exceed 2758.0 TPY* (to meet modeling requirements); and NOx emissions shall not exceed 1375.9 TPY*. *based on rolling, 12-month summations.
c.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.
d.	OAC rule 3745-17-10(B)(1)	PE shall not exceed 0.020 pound per MMBtu of actual heat input when burning No. 2 fuel oil or natural gas.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		The particulate emission limitation established pursuant to OAC rule 3745-17-10(B)(1) when combusting No. 2 fuel oil is less stringent than the emission limitation established pursuant to 40 CFR Part 63, Subpart DDDDD. The permittee shall comply with all applicable emission limitations (including any less stringent emission limitation) after the compliance date in 40 CFR Part 63, Subpart DDDDD.
e.	OAC rule 3745-17-10(C)(1)	PE shall not exceed 0.125 pound per MMBtu when burning No. 6 fuel oil (based on a total heat input of 476 MMBtu/hour). The particulate emission limitation established pursuant to OAC rule 3745-17-10(C)(1) when combusting No. 6 fuel oil is less stringent than the emission limitation established pursuant to 40 CFR Part 63, Subpart DDDDD. The permittee shall comply with all applicable emission limitations (including any less stringent emission limitation) after the compliance date in 40 CFR Part 63, Subpart DDDDD.
f.	OAC rule 3745-18-15(O)(1)	SO_2 emissions shall not exceed 1.6 pounds per MMBtu of actual heat input.
g.	40 CFR Part 63, Subpart DDDDD (40 CFR Part 63.7480-7575) National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters [In accordance with 40 CFR 63.7499 and 63.7575, these emissions units are existing pulverized coal, oil-, and gas-fired boilers. Therefore, the units may be subject to the subcategory requirements for units designed to burn solid fuel, units designed to burn coal/solid fossil fuel, pulverized coal boilers designed to burn coal/solid fossil fuel, units designed	Applicable Emission Limits in Table 2; Work Practice Standards in Table 3; and Operating Limits in Table 4 to Subpart DDDDD of 40 CFR Part 63. Pursuant to 40 CFR 63.7495(b), the permittee shall comply with this subpart no later than January 31, 2016, except as provided in 63.6(i).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	to burn liquid fuel, units designed to burn light liquid fuel, units designed to burn heavy liquid fuel, and/or units designed to burn gas 1 fuelas defined in this subpart. The permittee shall comply with the emission limitations and operating limitations for the applicable subcategory(s) specified in this section.]	
h.	40 CFR Part 63.1-15 (40 CFR 63.7565)	Table 10 to 40 CFR Part 63, Subpart DDDDD – Applicability of General Provisions (Subpart A) to Subpart DDDDD shows which parts of the General Provisions in 40 CFR Part 63.1-15 apply.
i.	40 CFR Part 64 (40 CFR 64.1-10) Compliance Assurance Monitoring (CAM)	See b)(2)f., c)(5), d)(4) - d)(6), d)(12) – d)(15), e)(3) – e)(5), and f)(2). Pursuant to 40 CFR 64.2(b), CAM will not apply to the MACT emission limitations or standards in 40 CFR Part 63, Subpart DDDDD, after the compliance date in that rule.

(2) Additional Terms and Conditions

a. PE shall not exceed 0.031 lb/MMBtu of actual heat input when burning coal and 0.01 grains/actual cubic feet of exhaust gases.

b. NOx emissions shall not exceed 0.7 pound per MMBtu of actual heat input. This limit is based on a review by U.S. EPA of the performance test for emissions units B001 and B002, which indicated that the NOx emissions limit of 0.6 pound per MMBtu in the Prevention of Significant Deterioration (PSD) permit 5-79-A-28 cannot be attained and maintained.

c. The SO_2 emission limitation in tons per year was set to comply with the PSD modeling requirements.

d. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the emission limitations, fuel quality restrictions, operating rate restrictions, use of a fabric filter baghouse, recordkeeping, compliance with NAAQS and PSD pollutant impact modeling.

e. The hourly emission limitations for CO, VOC, HCl, and HF are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.

f. At all times, the permittee shall maintain the monitoring equipment, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(Authority for term: OAC rule 3745-77-07(A)(1) and 40 CFR Part 64)

c) Operational Restrictions

(1) The emissions units shall utilize the manufacturer's best design for minimizing NOx emissions. The design shall utilize overfire, side fire air, or equivalent design technology, including but not limited to low NOx burners, to reduce flame temperature and limit combustion air (ref. PSD 5-79-A-23 FR Vol 44 No. 215 issued Nov. 5, 1979).

(Authority for term: OAC rule 3745-77-07(A)(1), OAC rule 3745-31-05(A)(3), and OAC rules 3745-31-10 through 20)

(2) The daily average operating rate for each emissions unit shall not exceed 238 MMBtu/hour and 180,000 pounds of steam per hour.

(Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-31-05(A)(3))

(3) The quality of coal burned in each emissions unit shall meet the following specification on an as-burnedbasis:

a. A combination of ash content and heat content sufficient to comply with the particulate emission limitations specified in b)(1)a. and b)(2)a.; and

b. A combination of sulfur content and heat content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.6 pounds per MMBtu of actual heat input.

Compliance with the above mentioned specifications shall be determined by using a weighted, arithmetic average of the analytical results provided by the permittee or coal supplier for all shipments of coal during each calender month.

(Authority for term: OAC rule 3745-77-07(A)(1), OAC rule 3745-31-05(A)(3), OAC rule 3745-18-15(O)(1), and OAC rule 3745-18-04(D))

(4) The quality of the oil burned in each emissions unit shall meet the following specifications on an as-received basis:

a. A combination of ash content and heat content sufficient to comply with the particulate emission limitation of 0.020 pound per MMBtu when burning No. 2 fuel oil and 0.125pound per MMBtu when burning No. 6 fuel oil; and

b. A combination of sulfur content and heat content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.6 pounds per MMBtu of actual heat input.

Compliance with the above-mentioned specifications shall be determined by using a weighted, arithmetic average of the analytical results provided by the permittee or oil supplier for all shipments of oil during each calendar month and/or stack gas sampling using methods specified in 40 CFR 60, Section 60.46.

(Authority for term: OAC rule 3745-77-07(A)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-18-04(E))

(5) The pressure drop across the baghouse for each emissions unit shall be maintained within the range of 1 to 10 inches of water while the emissions unit is in operation.

(Authority for term: OAC rule 3745-77-07(A)(1), OAC rule 3745-31-05(A)(3), and 40 CFR Part 64)

(6) The combined maximum annual coal usage rate for emissions units B001 and B002 shall not exceed 125,682 tons per year, based upon a rolling, 12-month summation of the coal usage rate.

The permittee has existing records to demonstrate compliance with this permit limit.

(Authority for term: OAC rule 3745-77-07(A)(1), OAC rule 3745-31-05(A)(3), and OAC rules 3745-31-10 through 20)

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect representative grab samples of the coal burned in the emissions units from each shipment of coal received for burning. Representative samples may be obtained via composite sampling from the coal handling system. The coal sampling shall be performed in accordance with ASTM method D2234, Standard Practice for Collection of a Gross Sample of Coal. At the end of each calendar month, all of the grab samples which were collected during that calendar month shall be combined into one composite sample.

Each monthly composite sample of coal shall be analyzed for ash content (percent), sulfur content (percent), and heat content (Btu/pound of coal). The analytical methods to be used to determine the ash content, sulfur content, and heat content shall be the most recent version of: ASTM method D3174, Standard Test Method for Ash in the Analysis Sample of Coal and Coke from Coal; ASTM method D3177, Standard Test Methods for Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Standard Test Methods for Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D5865 Standard

Test Method for Gross Calorific Value of Coal and Coke, respectively. Alternative, equivalent methods may be used upon written approval from the appropriate Ohio EPA District Office or local air agency.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-18-04(D))

(2) The permittee shall maintain monthly records of the total quantity of coal burned, and the results of the analyses for ash content, sulfur content, and heat content.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-18-04(D))

(3) The permittee shall maintain records of the oil burned in each emissions units in accordance with either Alternative 1 or Alternative 2 described below:

a. Alternative 1:

For each shipment of oil received for burning in the emissions units, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/MMBtu). The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

b. Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in the emissions units for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving the emissions units on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in the emissions unit. A representative grab sample of oil does not need to be collected on days when the emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/MMBtu). The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods, such as ASTM methods D240 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter and D4294,

Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry, or equivalent methods as approved by the Director.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), OAC rule 3745-18-04(E), and OAC rule 3745-18-04(I))

(4) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop across the baghouse of each emissions unit while the emissions unit is in operation, including periods of startup and shutdown. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. The permittee shall record the pressure drop across the baghouse on an hourly basis.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and 40 CFR Part 64)

(5) Whenever the recorded value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

f. a description of the corrective action;

g. the date corrective action was completed;

h. the date and time the deviation ended;

i. the total period of time (in minutes) during which there was a deviation;

j. the pressure drop readings immediately after the corrective action was implemented; and

k. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

(6) The permittee shall collect and record on a daily basis each period (date and total time) of downtime or bypass of the baghouse, and/or downtime of the baghouse pressure drop monitoring equipment, when the associated emissions unit was in operation.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

(7) The permittee shall maintain daily records of the following information:

a. the heat input for each emissions unit, in MMBtu/hr;

b. the hours of operation for each emissions unit; and

c. the daily average operating rate, in MMBtu/hr, for each emissions unit.

To determine heat input, the permittee shall properly operate and maintain existing equipment to continuously monitor and record the steam load, in pounds/hour, from each emissions unit.

The permittee shall maintain a written quality assurance/quality control plan for the continuous steam load monitoring system designed to ensure continuous valid and representative readings of steam load, in pounds of steam/hour. The plan shall include a description of preventive maintenance activities. A logbook dedicated to the continuous steam monitoring system must be kept on site and be available for inspection during regular office hours.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

(8) When combusting coal and fuel oil, the permittee shall perform daily checks, when each emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving the 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 emissions incident; and

e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions 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.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-17-07(A))

(9) The permittee shall maintain monthly records of the following information:

a. the usage rates for each fuel (natural gas, No. 2 fuel oil, No. 6 fuel oil, and coal) burned in each emissions unit;

b. the rolling, 12-month summation of the natural gas, No. 2 fuel oil, No. 6 fuel oil, and coal usage rates for each emissions unit; and

c. the rolling, 12-month summation of the coal usage rate for emissions units B001 and B002 combined.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rules 3745-31-10 through 20)

(10) The permittee shall maintain monthly records of the following information for each emissions unit in order to monitor compliance with the rolling, 12-month summation emissions limitations:

a. the total emissions, in tons, for VOC and CO when burning any combination of fuels; and

b. the rolling, 12-monthly summation emissions total, in tons, for VOC and CO when burning any combination of fuels (the total amount of emissions calculated for the current month plus the total amount of emissions for the previous eleven calendar months).

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

(11) The permittee shall maintain monthly records of the following information for emission units B001 and B002, combined, in order to monitor compliance with the rolling, 12-month summation emissions limitations:

a. the total emissions, in tons, for SO_2, NOx, PE/PM_{10}, HCl, and HF when burning any combination of fuels; and

b. the rolling, 12-monthly summation emissions total, in tons, for SO_2, NOx, PE/PM_{10}, HCl, and HF when burning any combination of fuels (the total amount of emissions calculated for the current month plus the total amount of emissions for the previous eleven calendar months).

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rules 3745-31-10 through 20)

(12) The CAM plan for these emissions units has been developed for particulate emissions. The CAM performance indicator for particulate emissions,until the compliance date in 40 CFR Part 63, Subpart DDDDD, is the pressure drop across the baghouse.

The baghouse operating parameters are measured and recorded by the continuous pressure drop monitoring equipment and the associated record keeping requirements as specified in d)(4). The baghouse indicator range is specified in c)(5). When the monitored value for pressure drop is outside of the range specified in c)(5), corrective action (including, but not limited to, an evaluation of the emissions unit and baghouse) will be required.

Upon detecting an excursion of the pressure drop across the baghouse, the permittee shall restore operation of the emissions unit (including the control device) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion. Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as thorough response by the computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range.

(Authority for Term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

(13) If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring under 40 CFR Part 64 did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the permittee shall promptly notify the appropriate Ohio EPA District Office or local air agency and if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, re-establishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters. Approved revisions to the monitoring will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64)

(14) If a determination is made by the Administrator or Ohio EPA that the permittee has not used acceptable procedures in response to an excursion or exceedance based on the results of a determination made under 40 CFR Part 64.7(d)(2), the permittee may be required to develop a Quality Improvement Plan (QIP) consistent with the requirements of 40 CFR Part 64.8.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

(15) After the compliance date specified in 40 CFR Part 63, Subpart DDDDD, the PE monitoring requirements specified in 40 CFR 63.7525 may satisfy the monitoring requirements of 40 CFR Part 64 specified in d)(4) – d)(6) and d)(12) - d)(14). Since the CAM requirements of 40 CFR Part 64 will continue to apply after the date specified in 40 CFR Part 63, Subpart DDDDD, the CAM plan shall be revised at such time to be consistent with the MACT monitoring requirements.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

(16) The permit to install for these emissions unitswas evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Ground-Level Concentration (MAGLC).

The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: HCl (Hydrogen Chloride)
TLV (ug/m3): 2983.0
Maximum Hourly Emission Rate (lbs/hr): 42.8 (B001 and B002)
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 30.84
MAGLC (ug/m3): 71.02

Pollutant: HF (Hydrogen Fluoride)
TLV (ug/m3): 2455.0
Maximum Hourly Emission Rate (lbs/hr): 3.1 (B001 and B002)
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 2.2
MAGLC (ug/m3): 58.5

(Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3))

(17) Physical changes to or in the method of operation of the emissions unit(s) after its installation or modification could affect the parameters used to determine whether or not the "Air Toxics Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the

"Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled: and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.

(Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3))

(18) The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will satisfy the Air Toxic Policy:

a. a description of the parameters changed(composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. when the computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

(Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3))

(19) After the compliance date specified in 40 CFR Part 63, Subpart DDDDD, the emissions standards, operating restrictions, monitoring, record keeping, and reporting requirements for the control of hazardous air pollutants under Subpart DDDDD for these emissions units will supercede the requirements of the "Air Toxics Policy" specified in d)(16) - d)(18).

(Authority for term: OAC rules 3745-77-07(C)(1) and 3745-31-05(A)(3))

(20) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install #P0111979, issued on 5/9/2013:d)(1) through d)(19). The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit quarterly reports on the quality and quantity of the coal burned in each emissions unit. These reports shall include the following information for the emissions unit for each month during the calendar quarter:

a. the total quantity of coal burned (tons);

b. the average ash content (percent) of the coal burned;

c. the average sulfur content (percent) of the coal burned;

d. the average heat content (Btu/pound) of the coal burned; and

e. the calculated, average sulfur dioxide emission rate (pounds sulfur dioxide/MMBtu actual heat input) for the coal burned.

Compliance with the sulfur dioxide emission limit shall be determined each month by calculating the average monthly sulfur dioxide emission rate using the results of the analyses of the monthly composite sample for sulfur content and heat content.

These quarterly reports shall be submitted by February 15, May 15, August 15 and November 15 of each year, unless otherwise specified by the appropriate Ohio EPA District Office or local air agency, and shall cover the data obtained during the previous calendar quarters.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-18-04(D))

(2) 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 each 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 sulfur content (percent) for the oil received during each calendar month;

c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month; and

d. the weighted* average SO_2 emission rate (lbs/MMBtu of actual heat input) of the oil combusted during each calendar month.

*In proportion to the quantity of oil received in each shipment during each calendar month.

These quarterly reports shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover the oil shipments received during the previous calendar quarters.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-18-04(E))

(3) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in c)(5), the cause of each incident, and the corrective action(s) taken for each incident;

b. the date, time, and duration of any downtime of the baghouse continuous monitoring equipment (other than downtime associated with zero and span or other daily calibration checks) while the emissions unit was in operation, the cause of each incident, and the corrective action(s) taken for each incident;

c. an identification of each incident of deviation described in (a) and (b) where a prompt investigation was not conducted;

d. an identification of each incident of deviation described in (a) and (b) where prompt corrective action, that would bring the emissions unit into compliance and/or the baghouse pressure drop indicator ranges defined in c)(5) into an acceptable range, was determined to be necessary and was not taken; and

e. an identification of each incident of deviation described in (a) and (b) where proper records were not maintained for the investigation and/or the corrective action(s);

f. all exceedances of the rolling, 12-month SO_2 emissions limitation and the rolling, 12-month summation of the coal usage rate for emissions unit B001 and B002 combined;

g. all periods of time during which the steam load exceeded 180,000 lbs of steam per hour, and

h. all periods of time during which the daily average operating rate exceeded 238 MMBtu/hour.

If no deviations/excursions occurred during a calendar quarter, the report shall so state that no deviations occurred during the reporting period.

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

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), OAC rules 3745-31-10 through 20, and 40 CFR Part 64)

(4) If the permittee is required under 40 CFR Part 64.8 and d)(14) of this permit to develop a QIP, the permittee shall submit quarterly reports that contain a description of the actions taken to implement a QIP during the reporting period. Upon completion of a QIP, the permittee shall include documentation that the implementation of the plan has been completed and reduced the likelihood of excursions.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

(5) After the compliance date specified in 40 CFR Part 63, Subpart DDDDD, the reporting requirements specified in 40 CFR 63.7550 may satisfy the reporting requirements of 40 CFR Part 64 specified in e)(3)a. through e)(3)e. and e)(4). Since the CAM requirements of 40 CFR Part 64 will continue to apply after the date specified in 40 CFR Part 63, Subpart DDDDD, the CAM plan shall be revised at such time to be consistent with the MACT reporting requirements.

(Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR Part 64)

(6) The permittee shall submit semiannual written reports which (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 eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by February 15 and August 15 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

(7) The permittee shall submit annual reports which specify the total PE/PM_{10}, SO_2, NOx, CO, VOC, HCl, and HF emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

(8) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install #P0111979, issued on 5/9/2013:e)(1) through e)(7). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

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

a. Emission Limitation:

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

Applicable Compliance Method:

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No Method 9 visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(1)(a))

b. Emission Limitations:

PE shall not exceed 0.031 pound per MMBtu of actual heat input and 0.01 grain per actual cubic foot when burning coal.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the above PE limitations based upon the results of emission testing required in f)(2) of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

c. Emission Limitation:

PE shall not exceed 0.020 pound per MMBtu of actual heat input when burning either No. 2 fuel oil or natural gas.

Applicable Compliance Method:

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 particulate/MM cu. ft, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

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 5/10) emission factor of 2.0 lbs filterable particulate/1000 gallons, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitations through emission testing performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-17-10)

d. Emission Limitation:

PE shall not exceed 0.125 pound per MMBtu of actual heat input (based on total heat input of 476 MMBtu/hr for B001 and B002 combined) when burning No. 6 fuel oil.

Applicable Compliance Method:

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 5/10) emission factor of 9.19(S)+3.22/1000 gallons, where S is the percent sulfur content of the fuel oil, and then dividing by the maximum hourly heat input capacity of the combined emissions units B001 and B002 (MMBtu/hr).

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitations through emission testing performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3) and OAC rule 3745-17-10)

e. Emission Limitation:

NOx emissions shall not exceed 0.7 pound per MMBtu of actual heat input when burning coal.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the above NOx emission limitation based upon the results of emission testing required in f)(2) of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rules 3745-31-10 through 20)

f. Emission Limitation:

SO_2 emissions shall not exceed 1.6 pounds per MMBtu of actual heat input.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the above SO_2 emission limitation based on the monitoring and record keeping requirements in d)(1), d)(2), and d)(3), and the reporting requirements in e)(1) and e)(2) of this permit. The SO_2 emission rate shall be calculated pursuant to the equation specified in OAC rule 3745-18-04(F). When multiple fuels are burned, the SO_2 emission rate is the sum of SO2 from all fuels burned divided by the sum of the Btu value of all fuels burned.

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

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rule 3745-18-15(O)(1))

g. Emission Limitations:

0.62 lb VOC/hr, when burning coal;
1.2 lbs VOC/hr, when burning No. 6 oil;
0.38 lb VOC/hr, when burning No. 2 oil; and
2.6 lbs VOC/hr, when burning natural gas.

Applicable Compliance Method:

The hourly emission limitations are based upon the emission unit's potential to emit and related emission factors found in AP-42, Fifth Edition, Section 1. External Combustion Sources.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

h. Emission Limitations:

5.2 lbs CO/hr, when burning coal;
8.15 lbs CO/hr, when burning No. 6 oil;
8.5 lbs CO/hr, when burning No. 2 oil; and
20.0 lbs CO/hr, when burning natural gas.

Applicable Compliance Method:

The hourly emission limitations are based upon the emission unit's potential to emit and related emission factors found in AP-42, Fifth Edition, Section 1. External Combustion Sources.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

i. Emission Limitation:

21.4 lbsHCl/hr, when burning coal

Applicable Compliance Method:

The hourly emission limitations are based upon the emission unit's potential to emit and the permittee's emissions data and technical analysis found in the application for PTI 14-05515, submitted November 24, 2003.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

j. Emission Limitation:

1.6 lbs HF/hr, when burning coal

Applicable Compliance Method:

The hourly emission limitations are based upon the emission unit's potential to emit and related emission factors found in AP-42, Fifth Edition, Section 1. External Combustion Sources, Table 1.1-15, dated 1998.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

k. Emission Limitations:

VOC emissions shall not exceed 11.5 tons per rolling, 12-month period; and CO emissions shall not exceed 87.6 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the VOC and CO emission limitations specified above shall be determined by the record keeping requirements specified in d)(10).

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-31-05(A)(3))

l. Emission Limitations:

The total emissions from emissions units B001 and B002 combined shall not exceed the following emission limitations:

2758.0 tons of SO_2 emissions per rolling, 12-month period;
1375.9 tons of NOx emissions per rolling, 12-month period;
122.9 tons of PE/PM_{10} emissions per rolling, 12-month period;
187.6 tons of HCl emissions per rolling, 12-month period; and
17.7 tons of HF emissions per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the SO_2, NOx, PE/PM_{10}, HCl, and HF emission limitations specified above shall be determined by the record keeping requirements specified in d)(11).

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rules 3745-31-10 through 20)

(2) Thepermittee shall conduct, or have conducted, emission testing for each emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted on each emissions unit within 6 months after issuance of this permit.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission limit for particulate of 0.031 lb/MMBtu, 0.01 grains/acf of exhaust gases, and for NOx of 0.7 lb/MMBtu when burning coal in each emissions unit.

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 for particulate, and;
Method 7 of 40 CFR Part 60, Appendix A for NOx.

Alternative U.S. EPA approved test methods may be used with prior approval from the Hamilton County Department of Environmental Services.

d. During the test, the temperature, the pressure drop across the baghouse, and the steam load shall be recorded at least every 15 minutes.

e. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.

f. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

g. Personnel from the appropriate Ohio EPA District Office or local air agency 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.

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

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), OAC rules 3745-31-10 through 20, and 40 CFR Part 64)

(3) Thepermittee shall conduct, or have conducted, emission testing for each emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted on each emissions unit within 6 months of commencing combustion of No. 2 and/or No. 6 fuel oil in the emissions unit. This emission testing requirement does not include the periodic combustion of fuel oil in the emissions units for the purpose of oil burner testing, maintenance, or operator training.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission limit for NOx of 0.7 lb/MMBtu when burning No. 2 and/or No. 6 fuel oil.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

Method 7 of 40 CFR Part 60, Appendix A for NOx.

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 under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

f. Personnel from the appropriate Ohio EPA District Office or local air agency 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.

g. 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 appropriate Ohio EPA District Office or local air agency within 30 days following

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

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), and OAC rules 3745-31-10 through 20)

(4) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install #P0111979, issued on 5/9/2013:f)(1), f)(2), and f)(3). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) The installation of the new can line, emissions unit P033, under PTI 14-05662, issued 7/28/2005, resulted in debottlenecking and/or production increases throughout the facility. As a result, the projected SO_2 actual emissions increases from the existing coal-fired boilers (emissions units B001 and B002) as submitted in the application for PTI 14-05662 triggered the definition of significant increase and significant net emission increase as defined in OAC rule 3745-31-01(III); therefore emissions units B001 and B002 were included in the permit action for the installation of P033. The permittee's previously submitted and approved PSD Assessment for the boilers, dated April 3, 2001, was determined to be acceptable for the application for PTI 14-05662. The SO_2 emission increases from the boilers did not exceed the existing allowable emissions limits which demonstrated compliance with the PSD requirements, OAC rules 3745-31-10 through 3745-31-20.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rules 3745-31-10 through 20)

9. Emissions Unit Group – Keeler Boilers: B003 and B007

EU ID	Operations, Property and/or Equipment Description
B003	49 MMBtu/hour fuel oil/natural gas-fired boiler
B007	49 MMBtu/hour fuel oil/natural gas-fired boiler

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) *Best Available Technology (BAT)*	The requirements of this rule include compliance with the requirements of OAC rules 3745-31-10 through 20, OAC rule 3745-17-07(A)(1), OAC rule 3745-17-10(B)(1), and OAC rule 3745-17-10(C)(1).
b.	OAC rules 3745-31-10 through 20 [PSD Approval to Construct 5-79-A-28 and PTI #18-080, issued 11/5/1979] *Prevention of Significant Deterioration (PSD)*	SO_2 emissions shall not exceed 0.8 pound per MMBtu, on a 24-hour average basis.
c.	OAC rule 3745-18-15(O)(2)	The SO_2 emission limitation established pursuant to this rule is equivalent to, or less stringent than, the SO_2 emission limitation established pursuant to OAC rules 3745-31-10 through 20.
d.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a 6-minute average, except as specified by rule.
e.	OAC rule 3745-17-10(B)(1)	PE shall not exceed 0.020 pound per MMBtu of actual heat input when burning No. 2 fuel oil or natural gas. The particulate emission limitation

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		established pursuant to OAC rule 3745-17-10(B)(1) when combusting No. 2 fuel oil is less stringent than the emission limitation established pursuant to 40 CFR Part 63, Subpart DDDDD. The permittee shall comply with all applicable emission limitations (including any less stringent emission limitation) after the compliance date in 40 CFR Part 63, Subpart DDDDD.
f.	OAC rule 3745-17-10(C)(1) (Curve P-1 of Figure 1)	PE shall not exceed 0.25 pound per MMBtu of actual heat input when burning No. 6 fuel oil. The particulate emission limitation established pursuant to OAC rule 3745-17-10(C)(1) when combusting No. 6 fuel oil is less stringent than the emission limitation established pursuant to 40 CFR Part 63, Subpart DDDDD. The permittee shall comply with all applicable emission limitations (including any less stringent emission limitation) after the compliance date in 40 CFR Part 63, Subpart DDDDD.
g.	40 CFR Part 63, Subpart DDDDD (40 CFR Part 63.7480-7575) National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters [In accordance with 40 CFR 63.7499 and 63.7575, these emissions units are existing boilers designed to burn liquid fuel (fuel oil) or natural gas. Therefore, the unit may be subject to the subcategory requirements for units designed to burn liquid fuel, units designed to burn light liquid fuel, units designed to burn heavy liquid fuel, and/or units designed to burn gas 1 fuel as defined in this subpart. The permittee shall comply with the emission limitations and operating limitations for the applicable fuel subcategory(s) specified in this section.]	Applicable Emission Limits in Table 2; Work Practice Standards in Table 3; and Operating Limits in Table 4 to Subpart DDDDD of 40 CFR Part 63. Pursuant to 40 CFR 63.7495(b), the permittee shall comply with this subpart no later than January 31, 2016, except as provided in 63.6(i).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
h.	40 CFR Part 63.1-15 (40 CFR 63.7565)	Table 10 to 40 CFR Part 63, Subpart DDDDD – Applicability of General Provisions (Subpart A) to Subpart DDDDD shows which parts of the General Provisions in 40 CFR Part 63.1-15 apply.

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) The quality of the No. 2 fuel oil and No. 6 fuel oil burned in these emissions units shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in this permit.

(Authority for term: OAC rule 3745-77-07(A)(1), OAC rule 3745-31-05(A)(3), OAC rules 3745-31-10 through 20, and OAC rule 3745-18-04(E))

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain records of the oil burned in these emissions units in accordance with either Alternative 1 or Alternative 2 described below:

a. Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/MMBtu). The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

b. Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall

maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/MMBtu). The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods, such as ASTM methods D240 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter and D4294, Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry, or equivalent methods as approved by the Director.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), OAC rules 3745-31-10 through 20, OAC rule 3745-18-04(E), and OAC rule 3745-18-04(I))

(2) The permittee shall perform daily checks, when the emissions unit is in operation and burning No. 6 fuel oil 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 emissions incident; and

e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions 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.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-07(A)(1))

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979:d)(1) and d)(2). The monitoring and record keeping

requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Permit to Install.

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. anyexceedance of the allowable sulfur dioxide emission limitations, in pounds sulfur dioxide/MMBtu actual heat input.

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

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), OAC rules 3745-31-10 through 20, and OAC rule 3745-18-04(E))

(2) The permittee shall submit semiannual written reports that identify:

a. all days during which any visible particulate emissions were observed from the stack serving each emissions unit; and

b. any corrective actions taken to minimize or eliminate the visible particulate emissions.

These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-07(A)(1))

(3) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979:e)(1) and e)(2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

f) Testing Requirements

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

a. Emission Limitation:

Visible particulate emissions from the stack shall not exceed 20 percent opacity as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

No Method 9 visible emissions observations are specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(1)(a))

b. Emission Limitation:

SO_2 emissions shall not exceed 0.8 pound per MMBtu, on a 24-hour average basis.

Applicable Compliance Method:

Continuous compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received, or each daily composite sample of the oil burned during each calendar day, meets the limitation.

Sulfur dioxide emissions from liquid fuel samples shall be calculated as follows:

$ER = [(1 \times 10^{6}) / H] \times D \times S \times 1.974$

where:

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

H = the heat content of the liquid fuel in Btu per gallon;

D = the density of the liquid fuel in pounds per gallon; and

S = the decimal fraction of sulfur in the liquid fuel.

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.

(Authority for term: OAC rule 3745-77-07(C)(1), OAC rule 3745-31-05(A)(3), OAC rules 3745-31-10 through 20, OAC rule 3745-18-04(E), and OAC rule 3745-18-04(F))

c. Emission Limitation:

PE shall not exceed 0.020 pound per MMBtu of actual heat input when burning either No. 2 fuel oil or natural gas.

Applicable Compliance Method:

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 particulate/MM cu. ft, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

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 5/10) emission factor of 2.0 lbs filterable particulate/1000 gallons, and then dividing by the maximum hourly heat input capacity of the emissions unit (MMBtu/hr).

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitations through emission testing performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-10)

d. Emission Limitation:

PE shall not exceed 0.25 pound per MMBtu of actual heat input when burning No. 6 fuel oil.

Applicable Compliance Method:

Compliance may be determined by multiplying the maximum fuel oil capacity of each emissions unit (gallons/hr) by the AP-42, Fifth Edition, Section 1.3, Table 1.3-1 (revised 5/10) emission factor of 9.19(S)+3.22/1000 gallons, where S is the percent sulfur content of the fuel oil, and then dividing by the maximum hourly heat input capacity of each emissions unit (MMBtu/hr).

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitations through emission testing performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-10)

(2) Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in PSD Approval to Construct 5-79-A-28 and PTI 18-080, issued 11/5/1979:f)(1). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

g) Miscellaneous Requirements

(1) None.