



Environmental
Protection Agency

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

8/22/2011

Jim Dean
PROCTER & GAMBLE CO.
SWTC, 11510 REED HARTMAN HWY
Cincinnati, OH 45241

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1431052004
Permit Number: P0108344
Permit Type: Renewal
County: Hamilton

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

If you have any questions, please contact Hamilton County Dept. of Environmental Services at (513)946-7777 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPCWeb page, www.epa.ohio.gov/dapc, by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

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

Cc: HCDOES



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
PROCTER & GAMBLE CO.**

Facility ID:	1431052004
Permit Number:	P0108344
Permit Type:	Renewal
Issued:	8/22/2011
Effective:	8/22/2011
Expiration:	8/22/2021



Division of Air Pollution Control
Permit-to-Install and Operate
for
PROCTER & GAMBLE CO.

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Authorization

Facility ID: 1431052004
Application Number(s): A0042186
Permit Number: P0108344
Permit Description: PTIO renewal for two 18.84 MMBtu/hr natural gas/#2 fuel oil-fired boilers.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 8/22/2011
Effective Date: 8/22/2011
Expiration Date: 8/22/2021
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

PROCTER & GAMBLE CO.
SWTC, 11510 REED HARTMAN HWY
Cincinnati, OH 45241

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

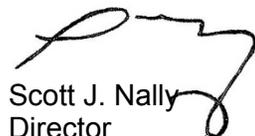
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

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

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


Scott J. Nally
Director

Authorization (continued)

Permit Number: P0108344

Permit Description: PTIO renewal for two 18.84 MMBtu/hr natural gas/#2 fuel oil-fired boilers.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	B009
Company Equipment ID:	Boiler B-2
Superseded Permit Number:	P0097878
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	B010
Company Equipment ID:	Boiler B-4
Superseded Permit Number:	P0097878
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

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

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is

very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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

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

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

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

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

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

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

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

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting¹ a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

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

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

¹Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

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

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

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

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

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

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

B. Facility-Wide Terms and Conditions

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) None.

C. Emissions Unit Terms and Conditions



1. B009, Boiler B-2

Operations, Property and/or Equipment Description:

18.84 MMBTU/hr Natural Gas/No. 2 Fuel Oil Fired Boiler.

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific 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.	<p>Nitrogen oxides (NOx) emissions shall not exceed 0.12 lb of NOx/mmBtu of actual heat input when burning natural gas.</p> <p>Nitrogen oxides (NOx) emissions shall not exceed 0.27 lb of NOx/mmBtu of actual heat input when burning No. 2 fuel oil.</p> <p>Nitrogen oxides (NOx) emissions shall not exceed 11.99 TPY.</p> <p>Volatile organic compound (VOC) emissions shall not exceed 0.011 lb of VOC/mmBtu of actual heat input when burning natural gas.</p> <p>Volatile organic compound (VOC)</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>emissions shall not exceed 0.011 lb of VOC/mmBtu of actual heat input when burning No. 2 fuel oil.</p> <p>Volatile organic compound (VOC) emissions shall not exceed 0.91 TPY.</p> <p>Carbon Monoxide (CO) emissions shall not exceed 0.082 lb of CO /mmBtu of actual heat input when burning natural gas.</p> <p>Carbon Monoxide (CO) emissions shall not exceed 0.082 lb of CO /mmBtu of actual heat input when burning No. 2 fuel oil.</p> <p>Carbon Monoxide (CO) emissions shall not exceed 6.77 TPY.</p> <p>Particulate emissions (PE) shall not exceed 0.020 lb of PE/mmBtu of actual heat input.</p> <p>Particulate emissions (PE) shall not exceed 1.65 TPY.</p> <p>Particulate matter 10 microns and less in diameter emissions (PM10) shall not exceed 0.003 lb of PM10/mmBtu of actual heat input when burning natural gas.</p> <p>Particulate matter 10 microns and less in diameter emissions (PM10) shall not exceed 0.014 lb of PM10/mmBtu of actual heat input when burning No. 2 fuel oil.</p> <p>Particulate matter 10 microns and less in diameter emissions (PM10) emissions shall not exceed 0.40 TPY.</p> <p>Sulfur dioxide (SO2) emissions shall not exceed 0.0006 lb of SO2 /mmBtu of actual heat input when burning natural gas.</p>

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>The sulfur dioxide (SO₂) emission rate shall not exceed 0.50 lb/mmBtu of actual heat input when burning No. 2 fuel oil.</p> <p>The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart Dc.</p> <p>See b)(2)a.</p>
b.	OAC rule 3745-31-05(A)(3)(b), as effective 12/1/06	See b)(2)f. and b)(2)g.
c.	OAC rule 3745-31-05(D), as effective 11/30/01 (Avoiding State Modeling for SO ₂)	<p>The sulfur dioxide (SO₂) emission rate shall not exceed 6.99 tons/year based on rolling 12-month summation.</p> <p>See b)(2)e and c)(3).</p>
d.	40 CFR Part 60 Subpart Dc	The sulfur dioxide (SO ₂) emission rate shall not exceed 0.50 lb/mmBtu of actual heat input when burning No. 2 fuel oil.
e.	OAC rule 3745-18-04(E)(3)	See b)(2)e., c)(2), d)(1), e)(2), f)(1)c., and f)(1)f.
f.	OAC rule 3745-18-06(D)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60 Subpart Dc.
g.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed twenty percent (20%) opacity, as a six-minute average, except as specified by rule.
h.	OAC rule 3745-17-10(B)(1)	Particulate Emissions (PE) shall not exceed 0.020 pound per million Btu of actual heat input.

(2) Additional Terms and Conditions

- a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (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 Ohio Revised Code (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 the emission limitations/control measures for the National Ambient Air Quality Standards (NAAQS) pollutant(s) with less than ten tons per year emissions no longer apply.

- b. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of natural gas and No. 2 fuel oil and the NO_x emission limitations listed in term b)(1) above.
- c. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- d. The lb/mmBtu emission limitations outlined in term b)(1) is based upon the emissions unit's potential to emit (PTE). Therefore, no records are required to demonstrate compliance with these limitations.
- e. Permit-to-install and operate (PTIO) P0108344 for this air contaminant source takes into account the usage restriction on No. 2 fuel oil to 200,000 gallons per year, as a voluntary restriction as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) and to avoid State Modeling.
- f. 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.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate matter 10 microns and less in diameter (PM₁₀), volatile organic compounds (VOC) and carbon monoxide (CO) emissions from this air contaminant source because the uncontrolled potential to emit for these emissions is less than ten tons per year.

- 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.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate emissions (PE) from this air contaminant source because the calculated annual emission rate for PE is less than 10 tons per year taking into account the federally enforceable rule limit of 0.020 lb/mmBtu under OAC rule 3745-17-10.

c) **Operational Restrictions**

- (1) The permittee shall burn only natural gas and/or No. 2 fuel oil in this emissions unit.

- (2) The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in this permit.
 - (3) The maximum fuel oil usage in this emissions unit shall not exceed 200,000 gallons of No. 2 fuel oil per year, based on a rolling, 12-month summation of the No. 2 fuel oil usage figures.
- d) **Monitoring and/or Recordkeeping Requirements**
- (1) The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

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, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.

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 and D4294), or equivalent methods as approved by the Director.
 - (2) The permittee shall maintain records of the following information:
 - a. The total amount of natural gas (in cubic feet) burned in this emissions unit each month.
 - b. The total number of gallons of No. 2 fuel oil burned in this emissions unit each month.

- c. The rolling 12-month summation of No. 2 fuel oil burned, in gallons in this emissions unit.
 - d. The permittee shall record the cumulative No. 2 fuel oil burned, in gallons for each calendar month.
 - e. The total rolling 12-month summation of SO₂ emissions in tons per year for this emissions unit.
 - f. The total emissions of NO_x in tons per year for each calendar year.
 - g. Any day when a fuel other than natural gas or No. 2 fuel oil was used in this emissions unit.
- e) Reporting Requirements
- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.
 - (2) The permittee shall identify in the annual permit evaluation report the following information concerning the quality of oil burned in this emissions unit:
 - a. any exceedance of the allowable sulfur dioxide emission limitation, pounds sulfur dioxide/MMBtu actual heat input.
 - (3) The permittee shall notify the Hamilton County Department of Environmental Services in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section d)(1) above. The notification shall include a copy of such record and shall be sent the Hamilton County Department of Environmental Services within 45 days after the deviation occurs.
 - (4) The permittee identify in the annual permit evaluation report all exceedances of the rolling, 12-month No. 2 fuel oil use limitation.
 - (5) The permittee identify in the annual permit evaluation report all exceedances of the rolling, 12-month SO₂ emissions limitation.
 - (6) The permittee identify in the annual permit evaluation report any day when a fuel other than natural gas or No. 2 fuel oil is used in this emissions unit.
 - (7) Pursuant to the NSPS, the permittee is required to report the following information at the appropriate times (**if the information has not already been reported**):
Reports are to be sent to:
 - (8)



Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P. O. Box 1049
Columbus, Ohio 43216-1049

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

- a. construction date (no later than 30 days after such date);
- b. actual start-up date (within 15 days after such date);
- c. date of performance testing (if required, at least 30 days prior to testing);
- d. the design heat input capacity of the emissions unit and the type of fuel to be combusted; and
- e. the annual capacity factor at which the permittee anticipates operating the emissions unit.

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:

The nitrogen oxides (NO_x) emissions from this emissions unit shall not exceed 0.12 lb of NO_x/mmBtu of actual heat input when burning natural gas.

The NO_x emissions from this emissions unit shall not exceed 0.27 lb of NO_x/mmBtu of actual heat input when burning No. 2 fuel oil.

The NO_x emissions from this emissions unit shall not exceed 11.99 TPY.

Applicable Compliance Methods:

The NO_x emission limitations in terms of pounds of NO_x per mmBtu are based on the equipment vendor's guarantee. If required, compliance with the emission limitations shall be demonstrated by emission testing using USEPA methods 1 through 4 and 7 in 40 CFR Part 60 Appendix A.

Compliance with the annual emission limitation shall be based on the maximum lb/mmBtu values multiplied by the actual fuel usage rates (mmBtu/yr) and multiplied by 1 ton/2000 lbs such that the product equals TPY of NO_x.

b. Emission Limitations:

The sulfur dioxide (SO₂) emissions rate shall not exceed 6.99 tons/year based on rolling 12-month summation.

The sulfur dioxide (SO₂) emissions rate shall not exceed 0.50 lb/mmBtu of actual heat input.

Applicable Compliance Methods:

The SO₂ emission limitation in terms of pounds of SO₂ per mmBtu is based on the equipment vendor's guarantee. If required, compliance with the emission limitation shall be demonstrated by emission testing using USEPA methods 1 through 4 and 6 in 40 CFR Part 60 Appendix A.

Compliance with the annual emission limitation shall be based on the actual lb/mmBtu value for the fuel oil as determined from term and condition d)(1) and the maximum lb/mmBtu value for natural gas multiplied by the actual fuel usage rates (mmBtu/yr) from term and condition d)(2) and multiplied by 1 ton/2000 lbs such that the product equals TPY SO₂.

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.

c. Emission Limitation:

Particulate matter 10 microns and less in diameter emissions (PM₁₀) shall not exceed 0.003 lb of PM₁₀/mmBtu of actual heat input when burning natural gas.

Particulate matter 10 microns and less in diameter emissions (PM₁₀) shall not exceed 0.014 lb of PM₁₀/mmBtu of actual heat input when burning No. 2 fuel oil.

Particulate emissions (PE) shall not exceed 0.020 lb of PE/mmBtu of actual heat input.

Particulate emissions (PE) shall not exceed 1.65 TPY.

Particulate matter 10 microns and less in diameter emissions (PM₁₀) shall not exceed 0.4 TPY

Applicable Compliance Method:

The PM₁₀ emission limitations in terms of pounds of PM₁₀ per mmBtu are based on the equipment vendor's guarantee.

Compliance with the annual PM₁₀ emission limitation shall be based on the maximum lb/mmBtu values multiplied by the actual fuel usage rates (mmBtu/yr) and multiplied by 1 ton/2000 lbs such that the product equals TPY of PM₁₀.

For PM10, if required, compliance with the emissions limitation shall be demonstrated by emissions testing using USEPA method 201, 40 CFR Part 51 Appendix M.

The PE emission limitation in terms of pounds of PE per mmBtu is based on the requirements of OAC 3745-17-10.

The annual PE limitation is based on requirements of OAC 3745-17-10 and was calculated as follows:

$18.84 \text{ mmBtu/hr} \times 0.020 \text{ lb of PE/mmBtu} \times 8760 \text{ hrs/year} \times \text{ton}/20000 = 1.65 \text{ TPY PE.}$

For PE, if required, compliance with the emissions limitation shall be demonstrated by emissions testing using USEPA methods 1 through 5 in 40 CFR Part 60 Appendix A.

d. Emissions Limitation:

Particulate emissions (PE) shall not exceed 0.020 lb/mmBtu of actual heat input.

Applicable Compliance Methods:

The PE emission limitation in terms of pounds of PE per mmBtu is based on the requirements of OAC 3745-17-10. If required, compliance with the emissions limitation shall be demonstrated by emissions testing using USEPA methods 1 through 5 in 40 CFR Part 60 Appendix A.

e. Emission Limitation:

Volatile organic compound (VOC) emissions shall not exceed 0.011 lb of VOC/mmBtu of actual heat input when burning natural gas.

Volatile organic compound (VOC) emissions shall not exceed 0.011 lb of VOC/mmBtu of actual heat input when burning No. 2 fuel oil.

Volatile organic compound (VOC) emissions shall not exceed 0.91 TPY.

Applicable Compliance Method:

The VOC emission limitations in terms of pounds of VOC per mmBtu are based on the emission factor supplied by the permittee

. If required, compliance with the emission limitations shall be demonstrated by emission testing using USEPA methods 1 through 4 and 25 in 40 CFR Part 60 Appendix A.

Compliance with the annual emission limitation shall be based on the maximum lb/mmBtu values multiplied by the actual fuel usage rates (mmBtu/yr) and multiplied by 1 ton/2000 lbs such that the product equals TPY of VOC.

f. Emission Limitation:

Carbon Monoxide (CO) emissions shall not exceed 0.082 lb of CO /mmBtu of actual heat input when burning natural gas.

Carbon Monoxide (CO) emissions shall not exceed 0.082 lb of CO /mmBtu of actual heat input when burning No. 2 fuel oil.

Carbon Monoxide (CO) emissions shall not exceed 6.77 TPY.

Applicable Compliance Method:

The CO emission limitation in terms of pounds of CO per mmBtu is based on the equipment vendor's guarantee. If required, compliance with the emission limitation shall be demonstrated by emission testing using USEPA methods 1 through 4 and 10 in 40 CFR Part 60 Appendix.

Compliance with the annual emission limitation shall be based on the maximum lb/mmBtu values multiplied by the actual fuel usage rates (mmBtu/yr) and multiplied by 1 ton/2000 lbs such that the product equals TPY of CO.

g. Emissions Limitation:

Visible particulate emissions from any stack shall not exceed twenty percent (20%) opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

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

h. Compliance with the fuel use limitations in term c)(1) shall be demonstrated by the recordkeeping in term d)(2).

i. Compliance with the fuel use limitations in term c)(2) shall be demonstrated by the recordkeeping in term d)(2).

g) Miscellaneous Requirements

(1) None.



2. B010, Boiler B-4

Operations, Property and/or Equipment Description:

18.84 MMBTU/hr Natural Gas/No. 2 Fuel Oil Fired Boiler

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific 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.	<p>Nitrogen oxides (NOx) emissions shall not exceed 0.12 lb of NOx/mmBtu of actual heat input when burning natural gas.</p> <p>Nitrogen oxides (NOx) emissions shall not exceed 0.27 lb of NOx/mmBtu of actual heat input when burning No. 2 fuel oil.</p> <p>Nitrogen oxides (NOx) emissions shall not exceed 11.99 TPY.</p> <p>Volatile organic compound (VOC) emissions shall not exceed 0.011 lb of VOC/mmBtu of actual heat input when burning natural gas.</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>Volatile organic compound (VOC) emissions shall not exceed 0.011 lb of VOC/mmBtu of actual heat input when burning No. 2 fuel oil.</p> <p>Volatile organic compound (VOC) emissions shall not exceed 0.91 TPY.</p> <p>Carbon Monoxide (CO) emissions shall not exceed 0.082 lb of CO /mmBtu of actual heat input when burning natural gas.</p> <p>Carbon Monoxide (CO) emissions shall not exceed 0.082 lb of CO /mmBtu of actual heat input when burning No. 2 fuel oil.</p> <p>Carbon Monoxide (CO) emissions shall not exceed 6.77 TPY.</p> <p>Particulate emissions (PE) shall not exceed 0.020 lb of PE/mmBtu of actual heat input.</p> <p>Particulate emissions (PE) shall not exceed 1.65 TPY.</p> <p>Particulate matter 10 microns and less in diameter emissions (PM10) shall not exceed 0.003 lb of PM10/mmBtu of actual heat input when burning natural gas.</p> <p>Particulate matter 10 microns and less in diameter emissions (PM10) shall not exceed 0.014 lb of PM10/mmBtu of actual heat input when burning No. 2 fuel oil.</p> <p>Particulate matter 10 microns and less in diameter emissions (PM10) emissions shall not exceed 0.40 TPY.</p> <p>Sulfur dioxide (SO2) emissions shall not exceed 0.0006 lb of SO2 /mmBtu of actual heat input when burning natural gas.</p>

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>The sulfur dioxide (SO₂) emission rate shall not exceed 0.50 lb/mmBtu of actual heat input when burning No. 2 fuel oil.</p> <p>The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart Dc.</p> <p>See b)(2)a.</p>
b.	OAC rule 3745-31-05(A)(3)(b), as effective 12/1/06	See b)(2)f. and b)(2)g.
c.	OAC rule 3745-31-05(D), as effective 11/30/01 (Avoiding State Modeling for SO ₂)	<p>The sulfur dioxide (SO₂) emission rate shall not exceed 6.99 tons/year based on rolling 12-month summation.</p> <p>See b)(2)e and c)(3).</p>
d.	40 CFR Part 60 Subpart Dc	The sulfur dioxide (SO ₂) emission rate shall not exceed 0.50 lb/mmBtu of actual heat input when burning No. 2 fuel oil.
e.	OAC rule 3745-18-04(E)(3)	See b)(2)e., c)(2), d)(1), e)(2), f)(1)c., and f)(1)f.
f.	OAC rule 3745-18-06(D)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60 Subpart Dc.
g.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed twenty percent (20%) opacity, as a six-minute average, except as specified by rule.
h.	OAC rule 3745-17-10(B)(1)	Particulate Emissions (PE) shall not exceed 0.020 pound per million Btu of actual heat input.

(2) Additional Terms and Conditions

- a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (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 Ohio Revised Code (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 the emission limitations/control measures for the National Ambient Air Quality Standards (NAAQS) pollutant(s) with less than ten tons per year emissions no longer apply.

- b. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of natural gas and No. 2 fuel oil and the NO_x emission limitations listed in term b)(1) above.
- c. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- d. The lb/mmBtu emission limitations outlined in term b)(1) is based upon the emissions unit's potential to emit (PTE). Therefore, no records are required to demonstrate compliance with these limitations.
- e. Permit-to-install and operate (PTIO) P0108344 for this air contaminant source takes into account the usage restriction on No. 2 fuel oil to 200,000 gallons per year, as a voluntary restriction as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) and to avoid State Modeling.
- f. 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.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate matter 10 microns and less in diameter (PM₁₀), volatile organic compounds (VOC) and carbon monoxide (CO) emissions from this air contaminant source because the uncontrolled potential to emit for these emissions is less than ten tons per year.

- 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.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate emissions (PE) from this air contaminant source because the calculated annual emission rate for PE is less than 10 tons per year taking into account the federally enforceable rule limit of 0.020 lb/mmBtu under OAC rule 3745-17-10.

c) Operational Restrictions

- (1) The permittee shall burn only natural gas and/or No. 2 fuel oil in this emissions unit.

- (2) The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in this permit.
- (3) The maximum fuel oil usage in this emissions unit shall not exceed 200,000 gallons of No. 2 fuel oil per year, based on a rolling, 12-month summation of the No. 2 fuel oil usage figures.

d) **Monitoring and/or Recordkeeping Requirements**

- (1) The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

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, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.

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 and D4294), or equivalent methods as approved by the Director.

- (2) The permittee shall maintain records of the following information:
 - a. The total amount of natural gas (in cubic feet) burned in this emissions unit each month.
 - b. The total number of gallons of No. 2 fuel oil burned in this emissions unit each month.

- c. The rolling 12-month summation of No. 2 fuel oil burned, in gallons in this emissions unit.
 - d. The permittee shall record the cumulative No. 2 fuel oil burned, in gallons for each calendar month.
 - e. The total rolling 12-month summation of SO₂ emissions in tons per year for this emissions unit.
 - f. The total emissions of NO_x in tons per year for each calendar year.
 - g. Any day when a fuel other than natural gas or No. 2 fuel oil was used in this emissions unit.
- e) Reporting Requirements
- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.
 - (2) The permittee shall identify in the annual permit evaluation report the following information concerning the quality of oil burned in this emissions unit:
 - a. any exceedance of the allowable sulfur dioxide emission limitation, pounds sulfur dioxide/MMBtu actual heat input.
 - (3) The permittee shall notify the Hamilton County Department of Environmental Services in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section d)(1) above. The notification shall include a copy of such record and shall be sent the Hamilton County Department of Environmental Services within 45 days after the deviation occurs.
 - (4) The permittee identify in the annual permit evaluation report all exceedances of the rolling, 12-month No. 2 fuel oil use limitation.
 - (5) The permittee identify in the annual permit evaluation report all exceedances of the rolling, 12-month SO₂ emissions limitation.
 - (6) The permittee identify in the annual permit evaluation report any day when a fuel other than natural gas or No. 2 fuel oil is used in this emissions unit.
 - (7) Pursuant to the NSPS, the permittee is required to report the following information at the appropriate times (**if the information has not already been reported**):
Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P. O. Box 1049
Columbus, Ohio 43216-1049

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

- a. construction date (no later than 30 days after such date);
- b. actual start-up date (within 15 days after such date);
- c. date of performance testing (if required, at least 30 days prior to testing);
- d. the design heat input capacity of the emissions unit and the type of fuel to be combusted; and
- e. the annual capacity factor at which the permittee anticipates operating the emissions unit.

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:

The nitrogen oxides (NO_x) emissions from this emissions unit shall not exceed 0.12 lb of NO_x/mmBtu of actual heat input when burning natural gas.

The NO_x emissions from this emissions unit shall not exceed 0.27 lb of NO_x/mmBtu of actual heat input when burning No. 2 fuel oil.

The NO_x emissions from this emissions unit shall not exceed 11.99 TPY.

Applicable Compliance Methods:

The NO_x emission limitations in terms of pounds of NO_x per mmBtu are based on the equipment vendor's guarantee. If required, compliance with the emission limitations shall be demonstrated by emission testing using USEPA methods 1 through 4 and 7 in 40 CFR Part 60 Appendix A.

Compliance with the annual emission limitation shall be based on the maximum lb/mmBtu values multiplied by the actual fuel usage rates (mmBtu/yr) and multiplied by 1 ton/2000 lbs such that the product equals TPY of NO_x.

b. Emission Limitations:

The sulfur dioxide (SO₂) emissions rate shall not exceed 6.99 tons/year based on rolling 12-month summation.

The sulfur dioxide (SO₂) emissions rate shall not exceed 0.50 lb/mmBtu of actual heat input.

Applicable Compliance Methods:

The SO₂ emission limitation in terms of pounds of SO₂ per mmBtu is based on the equipment vendor's guarantee. If required, compliance with the emission limitation shall be demonstrated by emission testing using USEPA methods 1 through 4 and 6 in 40 CFR Part 60 Appendix A.

Compliance with the annual emission limitation shall be based on the actual lb/mmBtu value for the fuel oil as determined from term and condition d)(1) and the maximum lb/mmBtu value for natural gas multiplied by the actual fuel usage rates (mmBtu/yr) from term and condition d)(2) and multiplied by 1 ton/2000 lbs such that the product equals TPY SO₂.

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.

c. Emission Limitation:

Particulate matter 10 microns and less in diameter emissions (PM₁₀) shall not exceed 0.003 lb of PM₁₀/mmBtu of actual heat input when burning natural gas.

Particulate matter 10 microns and less in diameter emissions (PM₁₀) shall not exceed 0.014 lb of PM₁₀/mmBtu of actual heat input when burning No. 2 fuel oil.

Particulate emissions (PE) shall not exceed 0.020 lb of PE/mmBtu of actual heat input.

Particulate emissions (PE) shall not exceed 1.65 TPY.

Particulate matter 10 microns and less in diameter emissions (PM₁₀) shall not exceed 0.4 TPY

Applicable Compliance Method:

The PM₁₀ emission limitations in terms of pounds of PM₁₀ per mmBtu are based on the equipment vendor's guarantee.

Compliance with the annual PM₁₀ emission limitation shall be based on the maximum lb/mmBtu values multiplied by the actual fuel usage rates (mmBtu/yr) and multiplied by 1 ton/2000 lbs such that the product equals TPY of PM₁₀.

For PM10, if required, compliance with the emissions limitation shall be demonstrated by emissions testing using USEPA method 201, 40 CFR Part 51 Appendix M.

The PE emission limitation in terms of pounds of PE per mmBtu is based on the requirements of OAC 3745-17-10.

The annual PE limitation is based on requirements of OAC 3745-17-10 and was calculated as follows:

$18.84 \text{ mmBtu/hr} \times 0.020 \text{ lb of PE/mmBtu} \times 8760 \text{ hrs/year} \times \text{ton}/20000 = 1.65 \text{ TPY PE.}$

For PE, if required, compliance with the emissions limitation shall be demonstrated by emissions testing using USEPA methods 1 through 5 in 40 CFR Part 60 Appendix A.

d. Emissions Limitation:

Particulate emissions (PE) shall not exceed 0.020 lb/mmBtu of actual heat input.

Applicable Compliance Methods:

The PE emission limitation in terms of pounds of PE per mmBtu is based on the requirements of OAC 3745-17-10. If required, compliance with the emissions limitation shall be demonstrated by emissions testing using USEPA methods 1 through 5 in 40 CFR Part 60 Appendix A.

e. Emission Limitation:

Volatile organic compound (VOC) emissions shall not exceed 0.011 lb of VOC/mmBtu of actual heat input when burning natural gas.

Volatile organic compound (VOC) emissions shall not exceed 0.011 lb of VOC/mmBtu of actual heat input when burning No. 2 fuel oil.

Volatile organic compound (VOC) emissions shall not exceed 0.91 TPY.

Applicable Compliance Method:

The VOC emission limitations in terms of pounds of VOC per mmBtu are based on the emission factor supplied by the permittee

. If required, compliance with the emission limitations shall be demonstrated by emission testing using USEPA methods 1 through 4 and 25 in 40 CFR Part 60 Appendix A.

Compliance with the annual emission limitation shall be based on the maximum lb/mmBtu values multiplied by the actual fuel usage rates (mmBtu/yr) and multiplied by 1 ton/2000 lbs such that the product equals TPY of VOC.

f. Emission Limitation:

Carbon Monoxide (CO) emissions shall not exceed 0.082 lb of CO /mmBtu of actual heat input when burning natural gas.

Carbon Monoxide (CO) emissions shall not exceed 0.082 lb of CO /mmBtu of actual heat input when burning No. 2 fuel oil.

Carbon Monoxide (CO) emissions shall not exceed 6.77 TPY.

Applicable Compliance Method:

The CO emission limitation in terms of pounds of CO per mmBtu is based on the equipment vendor's guarantee. If required, compliance with the emission limitation shall be demonstrated by emission testing using USEPA methods 1 through 4 and 10 in 40 CFR Part 60 Appendix.

Compliance with the annual emission limitation shall be based on the maximum lb/mmBtu values multiplied by the actual fuel usage rates (mmBtu/yr) and multiplied by 1 ton/2000 lbs such that the product equals TPY of CO.

g. Emissions Limitation:

Visible particulate emissions from any stack shall not exceed twenty percent (20%) opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

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

h. Compliance with the fuel use limitations in term c)(1) shall be demonstrated by the recordkeeping in term d)(2).

i. Compliance with the fuel use limitations in term c)(2) shall be demonstrated by the recordkeeping in term d)(2).

g) Miscellaneous Requirements

(1) None.