



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL
WAYNE COUNTY**

CERTIFIED MAIL

Street Address:

122 S. Front Street

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 02-22079

Fac ID: 0285030180

DATE: 8/8/2006

The College of Wooster
Lanny Whitacre
580 East Wayne Ave.
Wooster, OH 44691

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

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

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. 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 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

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: USEPA

NEDO



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

FINAL PERMIT TO INSTALL 02-22079

Application Number: 02-22079
Facility ID: 0285030180
Permit Fee: **\$400**
Name of Facility: The College of Wooster
Person to Contact: Lanny Whitacre
Address: 580 East Wayne Ave.
Wooster, OH 44691

Location of proposed air contaminant source(s) [emissions unit(s)]:
580 East Wayne Ave.
Wooster, Ohio

Description of proposed emissions unit(s):
350 HP Natural Gas fired boiler.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) 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 above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit-To-Install General Terms and Conditions

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, 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.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to

the appropriate Ohio EPA District Office or local air agency. The written 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. See B.9 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
 - iv. If this permit is for an emissions unit located at a Title V facility, then each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
- d. The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

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

4. Title IV Provisions

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

5. Severability Clause

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

6. General Requirements

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

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any 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 and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

- iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit-To-Operate Application

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this permit is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

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12. 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.

13. Permit-To-Install

A permit-to-install must be obtained pursuant to OAC Chapter 3745-31 prior to "installation" of "any air contaminant source" as defined in OAC rule 3745-31-01, or "modification", as defined in OAC rule 3745-31-01, of any emissions unit included in this permit.

B. State Only Enforceable Permit-To-Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (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.)

3. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder.

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The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

4. Authorization To Install or Modify

If applicable, authorization to install or modify any new or existing emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

5. Construction of New Sources(s)

This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

6. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

7. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

8. Construction Compliance Certification

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If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) that the facility has been constructed in accordance with the permit-to-install application and the terms and conditions of the permit-to-install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

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

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

C. Permit-To-Install Summary of Allowable Emissions

SUMMARY (for informational purposes only)
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
NO _x	2.58
CO	5.30
OC	0.69
PE/PM10	0.48
SO ₂	0.04

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

40 CFR Part 63, Subpart A - General Provisions Applicability to 40 CFR Part 63, Subpart DDDDD

The permittee is subject to the following requirements specified in 40 CFR Part 63, Subpart A as listed in Table 10 of 40 CFR Part 63, Subpart DDDDD

Parts 63.1, 63.2, 63.3, 63.4, 63.5, 63.6(a), 63.6(b)(1)-(4), 63.6(b)(5), 63.6(b)(6), 63.6(b)(7), 63.6(c)(1)-(2), 63.6(c)(3)-(4), 63.6(c)(5), 63.6(d), 63.6(e)(1)-(2), 63.6(e)(3), 63.6(f)(1), 63.6(f)(2)-(3), 63.6 (g)(1)-(3), 63.6(h)(1), 63.6(h)(2)(ii), 63.6(h)(2)(iii), 63.6(h)(3), 63.6(h)(7)(i), 63.6(h)(7)(iii), 63.6(h)(7)(iv), 63.6(h)(7)(v), 63.6 (h)(8), 63.6 (h)(9), 63.6(i)(1)-(14), 63.6(j), 63.7(a)(1), 63.7(a)(2), 63.7(a)(2)(ii-viii), 63.7(a)(2)(ix), 63.7(a)(3), 63.7(b)(2), 63.7(c), 63.7(d), 63.7(e)(1) [in part, see table], 63.7(e)(2), 63.7(e)(3), 63.7(e)(4), 63.7(f), 63.7(g), 63.7(h), 63.8(a)(1), 63.8(a)(2), 63.8(a)(3), 63.8(b)(1)(i)-(ii), 63.8(b)(2)-(3), 63.8(c)(1), 63.8(c)(1)(i), 63.8(c)(1)(ii), 63.8(c)(1)(iii), 63.8(c)(2)-(3), 63.8(c)(4)(i), 63.8(c)(5), 63.8(c)(7)-(8), 63.8(d), 63.8(e), 63.8(f)(1)-(5), 63.8(g)(1)-(4), 63.9(a), 63.9(b)(1)-(5), 63.9(c), 63.9(d), 63.9(g), 63.9(h)(1)-(6), 63.9(i), 63.9(j), 63.10(a), 63.10(b)(1), 63.10(b)(2)(i)-(v), 63.10(b)(2)(vi) and (x-xi), 63.10(b)(2)(vii)-(ix), 63.10(b)(2)(xii), 63.10(b)(2)(xiv), 63.10(b)(3), 63.10(c)(1),(5)-(8),(10)-(15), 63.10(d)(1), 63.10(d)(2), 63.10(d)(3), 63.10(d)(4), 63.10(d)(5), 63.10(e)(1)-(2), 63.10(e)(4), 63.10(f), 63.12, 63.13, 63.14, 63.15.

The following emissions unit is subject to the aforementioned requirements: B006

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (B006) - Natural gas fired boiler rated at 14.7 MMBtu/hr equipped with flue gas recirculation

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05	PE/PM10: 0.007 lb/MMBtu, 0.48 tpy NO _x : 0.04 lb/MMBtu, 2.58 tpy CO: 0.082 lb/MMBtu, 5.30 tpy SO ₂ : 0.001 lb/MMBtu, 0.04 tpy OC: 0.011 lb/MMBtu, 0.69 tpy Visible particulate emissions from any stack shall not exceed 10% opacity, as a 6-minute average. See section A.I.2.a and A.I.2.b
OAC rule 3745-17-07(A)(1)	The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-17-10(B)(1)	The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-18-06(E)	The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-21-08(B)	See section A.I.2.d.
OAC rule 3745-23-06(B)	See section A.I.2.e.
40 CFR Part 60, Subpart Dc	See sections A.I.2.c, A.II.1, and A.IV.2.

40 CFR Part 63, Subpart DDDDD	400 ppm by volume of CO on a dry basis corrected to 3 percent oxygen See section A.I.2.f.
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2. Additional Terms and Conditions

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of natural gas and the emission limitations listed in term A.I.1 above. The requirements of OAC rule 3745-31-05(A) also include compliance with 40 CFR Part 60, Subpart Dc.
- 2.b** The lb/mmBtu actual heat input and tons per year emissions limitations are based upon the emission's units potential to emit. Therefore, no monitoring, record keeping and reporting requirements are necessary to ensure ongoing compliance with these emissions limitation.
- 2.c** The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency (U.S. EPA), 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency (Ohio EPA).
- 2.d** The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the 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 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.
- 2.e** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).
- 2.f** The permittee shall comply with all applicable requirements of 40 CFR Part 63, Subpart DDDDD.

Emissions Unit ID: B006

II. Operational Restrictions

1. The permittee shall burn only natural gas in this emissions unit.

III. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. This emissions unit is subject to the applicable provisions of Subpart Dc of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to 40 CFR Part 60.7, the permittee is hereby advised of the requirement to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
- c. actual start-up date (within 15 days after such date); and
- d. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P.O. Box 163669
Columbus, Ohio 43216-3669

and

Issued: 8/8/2006

Ohio Environmental Protection Agency
Northeast District Office
Division of Air Pollution Control
2110 East Aurora Road
Twinsburg, Ohio 44087

3. Pursuant to section 63.7550(g) of 40 CFR Part 60, should the permittee intend to use a fuel other than natural gas, the permittee shall submit a notification of alternative fuel use within 48 hours of the declaration of a period natural gas curtailment or supply interruption.

The notification must include the following:

- a. company name and address;
- b. identification of the affected unit;
- c. reason for the unable to use natural gas, including when the natural gas curtailment was declared or the natural gas supply interruption began;
- d. type of alternative fuel that is intend to use; and
- e. dates when the alternative fuel use is expected to begin and end.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:

Visible particulate emissions from any stack shall not exceed 10% opacity, as a 6-minute average.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Method 9.

- b. Emission Limitation:

0.011 lb/MMBtu of OC

Issued: 8/8/2006

Applicable Compliance Method:

The OC emission limitation is based upon the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", 5th Edition, Section 1.4-6, Table 1.4-2 (9/98). Compliance with the lb/MMBtu emission limitation may be determined by converting the 11 lbs/10⁶ scf emission factor into lb OC/MMBtu by dividing by 1020 Btu.

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25 or 25A, as appropriate. Alternative U.S. EPA-approved test methods may be used with prior written approval from Ohio EPA.

c. Emission Limitation:

0.69 tpy of OC

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable OC emission limitation (0.011 lb/MMBtu) by the maximum rated heat input capacity of the emissions unit (14.7 MMBtu/hr) and by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs/ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

d. Emission Limitation:

0.04 lb/MMBtu of NO_x

Applicable Compliance Method:

The NO_x emission limitation is based upon the emission factor from the manufacturer's specification, John Zink Co. LLC, which was provided by The College of Wooster. Compliance with the lb/MMBtu emission limitation may be determined by converting the 41 lbs/10⁶ scf emission factor into lb NO_x/MMBtu by dividing by 1020 Btu.

If required, the permittee shall demonstrate compliance with the lb/MMBtu

Emissions Unit ID: B006

emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7. Alternative U.S. EPA-approved test methods may be used with prior written approval from Ohio EPA.

e. Emission Limitation:

2.58 tpy of NO_x

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable NO_x emission limitation (0.04 lb/MMBtu) by the maximum rated heat input capacity of the emissions unit (14.7 MMBtu/hr) and by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs/ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

f. Emission Limitation:

0.007 lb/MMBtu of PE

Applicable Compliance Method:

The PE emission limitation is based upon the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", 5th Edition, Section 1.4-6, Table 1.4-2 (9/98). Compliance with the lb/MMBtu emission limitation may be determined by converting the 7.6 lbs/10⁶ scf emission factor into lb PE/MMBtu by dividing by 1020 Btu.

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5. Alternative U.S. EPA-approved test methods may be used with prior written approval from Ohio EPA.

g. Emission Limitation:

0.48 tpy of PE

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable PE emission limitation (0.007 lb/MMBtu) by the maximum rated heat input capacity of the emissions unit (14.7 MMBtu/hr) and by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs/ton. Therefore, if compliance is shown with the short-term allowable emission limitation,

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compliance shall also be shown with the annual emission limitation.

h. Emission Limitation:

0.001 lb/MMBtu of SO₂

Applicable Compliance Method:

The SO₂ emission limitation is based upon the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", 5th Edition, Section 1.4-6, Table 1.4-2 (9/98). Compliance with the lb/MMBtu emission limitation may be determined by converting the 0.6 lb/10⁶ scf emission factor into lb SO₂/MMBtu by dividing by 1020 Btu.

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6. Alternative U.S. EPA-approved test methods may be used with prior written approval from Ohio EPA.

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i. Emission Limitation:

0.04 tpy of SO₂

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable SO₂ emission limitation (0.001 lb/MMBtu) by the maximum rated heat input capacity of the emissions unit (14.7 MMBtu/hr) and by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs/ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

j. Emission Limitation:

0.082 lb/MMBtu of CO

Applicable Compliance Method:

The CO emission limitation is based upon the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", 5th Edition, Section 1.4-5, Table 1.4-1 (9/98). Compliance with the lb/MMBtu emission limitation may be determined by converting the 84 lbs/10⁶ scf emission factor into lb CO/MMBtu by dividing by 1020 Btu.

Compliance shall be demonstrated based upon the emission testing methods and procedures specified in section A.V.2.

k. Emission Limitation:

5.30 tpy of CO

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable CO emission limitation (0.082 lb/MMBtu) by the maximum rated heat input capacity of the emissions unit (14.7 MMBtu/hr) and by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs/ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

Emissions Unit ID: B006

I. Emission Limitation:

400 ppm by volume of CO on a dry basis corrected to 3 percent oxygen

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Applicable Compliance Method:

Compliance shall be demonstrated based upon the emission testing methods and procedures specified in section A.V.2.

2. Pursuant to section 63.7510(g) of 40 CFR Part 63, within 180 days of after startup of this unit, the permittee shall conduct, or have conducted, an emission test for this emissions unit in order to demonstrate compliance with the allowable emission rate for carbon monoxide. The compliance test shall be conducted in accordance with the test methods and procedures specified in Table 5 of Subpart DDDDD and Method 10, 10A, or 10B of 40 CFR Part 60, Appendix A while the emissions unit is operating at maximum normal operating load.

Pursuant to section 63.7515(e) of 40 CFR Part 63, the permittee shall conduct annual performance stack emissions tests for this emissions unit using Method 10, 10A or 10B of 40 CFR Part 60, Appendix A. Each required annual performance stack emissions test must be conducted between 10 and 12 months after the previous performance test.

Pursuant to section 63.7545(d) of 40 CFR Part 63, the permittee is required to submit a Notification of Intent to conduct a performance stack emissions test at least 30 days prior to the performance stack emissions test is scheduled to begin. 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 fields office(s) refusal to accept the emissions test(s).

Personnel from the 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 regarding the emissions unit operating parameters.

Pursuant to section 63.7515(g) of 40 CFR Part 63, a comprehensive written report on the results of the emission test(s) shall be submitted within 60 days following completion of the test(s).

VI. Miscellaneous Requirements

None

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B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (B006) - Natural gas boiler rated at 14.7 MMBtu/hr

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None