



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

RE: PERMIT TO INSTALL *CORRECTED COPY 2/3/2005***
JACKSON COUNTY
Application No:06-07514**

DATE: 2/3/2005

Luiginos Inc.
Michael Banovetz
PO Box 550
Jackson, OH 45640

Attached please find a corrected copy of PTI 06-07514 issued **6/3/2004**. This corrected copy is being sent due to administrative processing errors and does not affect the enforceability or effective date of the Directors final action. Please note, the appearance of the corrected document may have changed due to changing software or printers (e.g., total number of pages, margins, etc.). Areas of the permit that have been substantively affected by the correction(s) are highlighted in the enclosed "Corrected Copy". I urge you to review these areas in relation to the issued permit document. Please replace the copy provided to you on **6/3/2004** with the attached corrected Permit To Install document. *Please note:* No payment is required for processing this corrected copy.

Very truly yours,

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

cc: USEPA

SEDO



State of Ohio Environmental Protection Agency

Street /

122 S.

Address:
ov. Center
Box 1049

**RE: FINAL PERMIT TO INSTALL
JACKSON COUNTY
Application No: 06-07514**

CERTIFIED MAIL

*****CORRECTED COPY 2/3/2005*****

DATE: 6/3/2004

Luiginos Inc.
Michael Banovetz
PO Box 550 100 East Broadway St.
Jackson, OH 45640

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 by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. 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, Ohio 43215

Sincerely,

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

cc: USEPA

SEDO



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**Permit To Install
Terms and Conditions**

**Issue Date: 6/3/2004
Effective Date: 6/3/2004**

FINAL PERMIT TO INSTALL 06-07514*****CORRECTED COPY 2/3/2005*****

Application Number: 06-07514
 APS Premise Number: 0640000002
 Permit Fee: **\$1600 (No Fee is due for this corrected permit)**
 Name of Facility: Luiginos Inc.
 Person to Contact: Michael Banovetz
 Address: PO Box 550 100 East Broadway St.
 Jackson, OH 45640

Location of proposed air contaminant source(s) [emissions unit(s)]:

**100 E Broadway St.
Jackson, Ohio**

Description of proposed emissions unit(s):

Two - 18 MMBtu natural gas Ludell hot water heaters.

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

Luiginos Inc.
PTI Application: 06-07514
Issued: 6/3/2004

Facility ID: 0640000002

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Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

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

3. Records Retention Requirements

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

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining

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records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

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

6. Permit Transfers

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

7. Air Pollution Nuisance

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

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install 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.

9. Construction of New Sources(s)

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The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. 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 the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install 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.

10. 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.

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. 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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13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This 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 emissions unit(s) covered by this permit.

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14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) 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.

15. 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 this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

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

<u>Pollutant</u>	<u>Tons Per Year</u>
NO _x	11.2
CO	23.1
PE	1.2
SO ₂	0.1
VOC	1.3

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PTI A
Issued: 6/3/2004

Emissions Unit ID: B001
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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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

Applicable Rules/Requirements

B001 - 18 million BTU/hr natural gas fired water heater OAC rule 3745-31-05(A)(3)

OAC rule 3745-17-07(A)(1)

OAC rule 3745-17-10(B)(1)

OAC rule 3745-18-06(D)

40CFR 60, Subpart Dc

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PTI A
Issued: 6/3/2004

Emissions Unit ID: **B001**
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OAC rule 3745-23-06

<p style="text-align: center;"><u>Applicable Emissions Limitations/Control Measures</u></p>	
<p>Nitrogen oxide (NO_x) emissions shall not exceed: 0.071 lb/MMBtu actual heat input, 1.28 lbs/hr, and 5.6 TPY;</p>	<p>this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
<p>Carbon monoxide (CO) emissions shall not exceed: 0.146 lb/MMBtu actual heat input, 2.63 lbs/hr, and 11.5 TPY;</p>	<p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
<p>Particulate emissions (PE) shall not exceed: 0.14 lb/hr, and 0.6 TPY;</p>	<p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
<p>Sulfur dioxide (SO₂) emissions shall not exceed: 0.01 lb/hr, and 0.05 TPY;</p>	<p>The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06 by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 06-07514.</p>
<p>Volatile Organic Compound (VOC) emissions shall not exceed: 0.14 lb/hr, and 0.65 TPY;</p>	
<p>Visible particulate emissions from the boiler stack shall not exceed 20% opacity as a six-minute average.</p>	
<p>The requirements of this rule also include compliance with the requirements of OAC rule 3745-23-06.</p>	
<p>The emission limitation specified by</p>	

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Emissions Unit ID: **B001**
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2. Additional Terms and Conditions

2.a None.

B. Operational Restrictions

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

C. Monitoring and/or Recordkeeping Requirements

- 1. Pursuant to 40 CFR Part 60 Subpart Dc, the permittee shall record and maintain records of the amount of natural gas combusted during each day. These records shall be maintained by the permittee for a period of two years following the date of such record.
- 2. 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.

D. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in the emissions unit. These reports shall be submitted within 30 days after the deviation occurs.
- 2. The permittee shall submit deviation (excursion) reports that identify each day during which records were not maintained on the amount of natural gas combusted in the emissions unit. These reports shall be submitted within 30 days after the deviation occurs.
- 3. The following source is subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source Number</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
B001	18 MMBtu/hr natural gas fired water heater	Subpart Dc

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 the NSPS, the source owner/operator 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);

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Emissions Unit ID: **B001**

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- c. actual start-up date (within 15 days after such date); and
- d. date of performance testing (at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Air Quality Modeling and Planning
P.O. Box 1049
Columbus, OH 43216-1049

and

Ohio EPA
Southeast District Office
Division of Air Pollution Control
2195 Front Street
Logan, OH 43138

E. Testing Requirements

1. Emission Limitations:
NO_x emissions shall not exceed:
0.071 lb/MMBtu actual heat input,
1.28 lbs/hour and,
5.6 TPY.

Compliance Methods:

The lb/MMBtu and lb/hr limits were established using manufacturer data.

Compliance with the lb/MMBtu and the lb/hr emission rate shall be demonstrated by stack testing as specified in section E.7.

Compliance with the annual limitation shall be assumed as long as compliance with the lb/hour limitation is maintained (the annual limitation was calculated by multiplying the lb/hour limitation by 8760, and then dividing by 2000).

2. Emission Limitation:
CO emissions shall not exceed:
0.146 lb/MMBtu actual heat input,
2.63 lbs/hour and,
11.5 TPY.

Compliance Method:

The lb/MMBtu and lb/hr limits were established using manufacturer data.

Compliance with the lb/MMBtu and the lb/hr emission rate shall be demonstrated by stack testing as specified in section E.7.

Compliance with the annual limitation shall be assumed as long as compliance with the lb/hour limitation is maintained (the annual limitation was calculated by multiplying the lb/hour limitation by 8760, and then dividing by 2000).

3. Emission Limitation:
PE shall not exceed:
0.14 lb/hr and,
0.6 TPY.

Compliance Method:

The lb/hr limits were established using AP-42, Table 1.4-2, July 1998.

Compliance shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (18 MMBtu/hour) by 0.00745 lb PE per MMBtu natural gas burned (emission factor from AP-42, Table 1.4-2, July 1998).

Compliance with the annual limitation shall be assumed as long as compliance with the hourly limitation is maintained (the annual limitation was calculated by multiplying the hourly limitation by 8760, and then dividing by 2000).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 5.

4. Emission Limitation:
SO₂ emissions shall not exceed:
0.01 lb/hour and,
0.05 TPY.

Compliance Method:

The lb/hr limits were established using manufacturer data (AP-42, Table 1.4-2, July 1998).

Compliance shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (18 MMBtu/hour) by 0.0006 lb SO₂ per MMBtu natural gas burned (emission factor from manufacturer data or AP-42, Table 1.4-2, July 1998).

Compliance with the annual limitation shall be assumed as long as compliance with the hourly limitation is maintained (the annual limitation was calculated by multiplying the hourly limitation by 8760, and then dividing by 2000).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 6C.

5. Emission Limitation:
VOC emissions shall not exceed:

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Emissions Unit ID: **B001**
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0.14 lb/hr and,
0.65 TPY.

Compliance Method:

The lb/hr limits were established using manufacturer data.

Compliance shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (18 MMBtu/hour) by 0.00833 lb VOC per MMBtu natural gas burned (emission factor from manufacturer data).

Compliance with the annual limitation shall be assumed as long as compliance with the hourly limitation is maintained (the annual limitation was calculated by multiplying the hourly limitation by 8760, and then dividing by 2000).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25 or 25A.

6. Emission Limitation:

Visible particulate emissions from the boiler stack shall not exceed 20% opacity as a six-minute average.

Compliance Method:

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

7. The permittee shall conduct, or have conducted, emission testing for the emissions unit which begins operating first, in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated, but not later than 180 days after initial startup of such emissions unit.
- b. The emission testing shall be conducted to demonstrate compliance with the lb/MMBtu and lb/hr limitations for NO_x and CO.
- c. The following test method(s) shall be employed to demonstrate compliance with the above emissions limitations:

Methods 1 through 4 from 40 CFR Part 60, Appendix A for velocity traverses, velocity and volumetric flow rates, gas analysis, and moisture content
Method 7E from 40 CFR Part 60, Appendix A for NO_x;
Method 10 from 40 CFR Part 60, Appendix A for CO; and
Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

- d. The testing shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Southeast District Office.
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Southeast District Office's refusal to accept the results of the emission test(s).
- f. Personnel from the Ohio EPA, Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Southeast District Office.

F. Miscellaneous Requirements

None.

OAC rule 3745-23-06

Applicable Emissions Limitations/Control Measures	
<p>Nitrogen oxide (NO_x) emissions shall not exceed: 0.071 lb/MMBtu actual heat input, 1.28 lbs/hr, and 5.6 TPY;</p>	<p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
<p>Carbon monoxide (CO) emissions shall not exceed: 0.146 lb/MMBtu actual heat input, 2.63 lbs/hr, and 11.5 TPY;</p>	<p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
<p>Particulate emissions (PE) shall not exceed: 0.14 lb/hr, and 0.6 TPY;</p>	<p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
<p>Sulfur dioxide (SO₂) emissions shall not exceed: 0.01 lb/hr, and 0.05 TPY;</p>	<p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
<p>Volatile Organic Compound (VOC) emissions shall not exceed: 0.14 lb/hr, and 0.65 TPY;</p>	<p>The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06 by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 06-07514.</p>
<p>Visible particulate emissions from the boiler stack shall not exceed 20% opacity as a six-minute average.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rule 3745-23-06.</p>	

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Issued: 6/3/2004

Emissions Unit ID: **B002**

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2. Additional Terms and Conditions

2.a None.

B. Operational Restrictions

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

C. Monitoring and/or Recordkeeping Requirements

- 1. Pursuant to 40 CFR Part 60 Subpart Dc, the permittee shall record and maintain records of the amount of natural gas combusted during each day. These records shall be maintained by the permittee for a period of two years following the date of such record.
- 2. 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.

D. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in the emissions unit. These reports shall be submitted within 30 days after the deviation occurs.
- 2. The permittee shall submit deviation (excursion) reports that identify each day during which records were not maintained on the amount of natural gas combusted in the emissions unit. These reports shall be submitted within 30 days after the deviation occurs.
- 3. The following source is subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source Number</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
B002	18 MMBtu/hr natural gas fired water heater	Subpart Dc

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 the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

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Issued: 6/3/2004

Emissions Unit ID: **B002**
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- 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 (at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
 DAPC - Air Quality Modeling and Planning
 P.O. Box 1049
 Columbus, OH 43216-1049

and

Ohio EPA
 Southeast District Office
 Division of Air Pollution Control
 2195 Front Street
 Logan, OH 43138

E. Testing Requirements

1. Emission Limitations:
 NO_x emissions shall not exceed:
 0.071 lb/MMBtu actual heat input,
 1.28 lbs/hour and,
 5.6 TPY.

Compliance Methods:

The lb/MMBtu and lb/hr limits were established using manufacturer data.

Compliance with the lb/MMBtu and the lb/hr emission rate shall be demonstrated by stack testing as specified in section E.7.

Compliance with the annual limitation shall be assumed as long as compliance with the lb/hour limitation is maintained (the annual limitation was calculated by multiplying the lb/hour limitation by 8760, and then dividing by 2000).

2. Emission Limitation:
 CO emissions shall not exceed:
 0.146 lb/MMBtu actual heat input,
 2.63 lbs/hour and,
 11.5 TPY.

Compliance Method:

The lb/MMBtu and lb/hr limits were established using manufacturer data.

Compliance with the lb/MMBtu and the lb/hr emission rate shall be demonstrated by stack testing as specified in section E.7.

Compliance with the annual limitation shall be assumed as long as compliance with the lb/hour limitation is maintained (the annual limitation was calculated by multiplying the lb/hour limitation by 8760, and then dividing by 2000).

3. **Emission Limitation:**
PE shall not exceed:
0.14 lb/hr and,
0.6 TPY.

Compliance Method:

The lb/hr limits were established using AP-42, Table 1.4-2, July 1998.

Compliance shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (18 MMBtu/hour) by 0.00745 lb PE per MMBtu natural gas burned (emission factor from AP-42, Table 1.4-2, July 1998).

Compliance with the annual limitation shall be assumed as long as compliance with the hourly limitation is maintained (the annual limitation was calculated by multiplying the hourly limitation by 8760, and then dividing by 2000).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 5.

4. **Emission Limitation:**
SO₂ emissions shall not exceed:
0.01 lb/hour and,
0.05 TPY.

Compliance Method:

The lb/hr limits were established using manufacturer data (AP-42, Table 1.4-2, July 1998).

Compliance shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (18 MMBtu/hour) by 0.0006 lb SO₂ per MMBtu natural gas burned (emission factor from manufacturer data or AP-42, Table 1.4-2, July 1998).

Compliance with the annual limitation shall be assumed as long as compliance with the hourly limitation is maintained (the annual limitation was calculated by multiplying the hourly limitation by 8760, and then dividing by 2000).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance

with 40 CFR Part 60, Appendix A, Method 6C.

5. Emission Limitation:
VOC emissions shall not exceed:
0.14 lb/hr and,
0.65 TPY.

Compliance Method:

The lb/hr limits were established using manufacturer data.

Compliance shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (18 MMBtu/hour) by 0.00833 lb VOC per MMBtu natural gas burned (emission factor from manufacturer data).

Compliance with the annual limitation shall be assumed as long as compliance with the hourly limitation is maintained (the annual limitation was calculated by multiplying the hourly limitation by 8760, and then dividing by 2000).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Method 25 or 25A.

6. Emission Limitation:
Visible particulate emissions from the boiler stack shall not exceed 20% opacity as a six-minute average.

Compliance Method:

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

7. The permittee shall conduct, or have conducted, emission testing for the emissions unit which begins operating first, in accordance with the following requirements:
 - a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated, but not later than 180 days after initial startup of such emissions unit.
 - b. The emission testing shall be conducted to demonstrate compliance with the lb/MMBtu and lb/hr limitations for NO_x and CO.
 - c. The following test method(s) shall be employed to demonstrate compliance with the above emissions limitations:

Methods 1 through 4 from 40 CFR Part 60, Appendix A for velocity traverses, velocity

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and volumetric flow rates, gas analysis, and moisture content
Method 7E from 40 CFR Part 60, Appendix A for NO_x;
Method 10 from 40 CFR Part 60, Appendix A for CO; and
Alternative U.S. EPA approved test methods may be used with prior approval from the
Ohio EPA.

- d. The testing shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Southeast District Office.
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Southeast District Office's refusal to accept the results of the emission test(s).
- f. Personnel from the Ohio EPA, Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Southeast District Office.

F. Miscellaneous Requirements

None.