



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL CERTIFIED MAIL
CUYAHOGA COUNTY**

Street Address:

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

Mailing Address:

Lazarus Gov.
Center

Application No: 13-03759

DATE: 3/1/2001

MetroHealth Medical Center
Thomas Rao
2500 MetroHealth Drive Facilities Management Department
Cleveland, OH 44109

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 Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

Very truly yours,

Thomas G. Rigo
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA CBAPC



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install

Issue Date: March 1, 2001

FINAL PERMIT TO INSTALL 13-03759

Application Number: 13-03759
APS Premise Number: 1318002965
Permit Fee: **\$2000**
Name of Facility: MetroHealth Medical Center
Person to Contact: Thomas Rao
Address: 2500 MetroHealth Drive Facilities Management Department
Cleveland, OH 44109

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

**2500 MetroHealth drive
Cleveland, Ohio**

Description of proposed emissions unit(s):

Boiler replacements -- B006, B007, B008, B009, B010.

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

MetroHealth Medical Center

Facility ID: 1318002965

PTI Application: 13-03759

Issued: March 1, 2001

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 quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See B.11 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports 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 reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit To Install fees within 30 days after the issuance of this Permit To Install.

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

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally

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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

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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 To Install 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 thirty (30) 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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B. State Only Enforceable 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 Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping 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 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. 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.

4. 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.

5. 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.

6. Construction of New Sources(s)

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 are inadequate 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 prove to be inadequate or cannot meet applicable standards.

7. 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.

8. 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).

9. Construction Compliance Certification

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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.

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

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

C. 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

Pollutant	Tons Per Year
PM/PM10	2.5
NOx	29.7
SO2	29.6
CO	20.0
VOC	1.2

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Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

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

None.

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

None.

**Metro
PTI A**

Emissions Unit ID: B006

Issued: March 1, 2001

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>
B006 - 23.6 mmBtu/hr natural gas/(No.2 oil standby) fired boiler	OAC rule 3745-31-05(A)(3) 40 CFR Part 60 Subpart Dc OAC rule 3745- 31-05(D) Synthetic Minor to avoid PSD
	OAC rule 3745-17-07(A)(1)
	OAC rule 3745-17-10(B)(1)

Metro

PTI A

Emissions Unit ID: B006

Issued: March 1, 2001

Applicable Emissions
Limitations/Control
Measures

From burning natural gas
2.36 lbs/hr NOx emissions
1.98 lbs/hr CO emissions
0.13 lb/hr VOC emissions
0.01 lb/hr SO2 emissions
0.18 lb/hr of PM/PM10
emissions
See A.I.2a.

From burning No.2 fuel oil
3.37 lbs/hr NOx emissions
0.84 lb/hr CO emissions
0.34 lb/hr of PM/PM10
emissions
See A.I.2b.

The requirements established
pursuant to this rule also
include the requirements of
OAC rules
3745-17-07(A)(1) and 40
CFR Part 60 Subpart Dc.

20% opacity, as a six-minute
average, except as provided
by rule from the stack

The emission limitation
specified by 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 40
CFR Part 60 Subpart Dc.

0.5 lb/mmBtu of SO2 emissions

When firing natural gas:
21.3 TPY NOx as a 12-month rolling
summation

When firing No.2 fuel oil:
29.5 TPY SO2 as a 12-month rolling
summation
8.43 TPY NOx as a 12-month rolling
summation

Issued: March 1, 2001**2. Additional Terms and Conditions****2.a** When firing natural gas,

The combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:

NOx 21.3 TPY

CO 17.9 TPY

VOC 1.17 TPY

SO₂ 0.13 TPYPM/PM₁₀ 1.62 TPY**2.b** When firing No.2 fuel oil,

The combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:

NOx 8.43 TPY

CO 2.11 TPY

SO₂ 29.5 TPYPM/PM₁₀ 0.84 TPY**II. 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 the following specifications on an "as received" basis:
 - a. A sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pounds sulfur dioxide/mmBtu actual heat input.

Compliance with the above-mentioned specifications shall be determined by using analytical results provided by the permittee or oil supplier for each shipment of oil.

3. The combined maximum annual No.2 fuel oil usage for sources B006-B010 shall not exceed 842,857 gallons based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.
4. To ensure enforceability during the first 12 calendar months of operation following the issuance of

**Metro
PTI A**

Emissions Unit ID: B006

Issued: March 1, 2001

this permit, the permittee shall not exceed the No.2 fuel oil usage rates for B006-B010 specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative gallons of No.2 fuel oil</u>
1	84,286
1-2	153,247
1-3	222,208
1-4	291,169
1-5	360,130
1-6	429,091
1-7	498,052
1-8	567,013
1-9	635,974
1-10	704,935
1-11	773,896
1-12	842,857

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual No.2 fuel oil usage limitation for emissions units B006-B010 shall be based upon a rolling, 12-month summation of the No.2 fuel oil usage figures.

5. The maximum annual natural gas usage for emissions units B006-B010 shall not exceed 426.5 mmcu.ft, based upon a rolling, 12-month summation of the natural gas usage rate figures.
6. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the natural gas usage rate for emission units B006-B010 specified in the following table:

Emissions Unit ID: B006

Month(s)

Maximum Allowable Cumulative Natural Gas Usage in mmcu.ft

1	42.7
1-2	77.6
1-3	112.5
1-4	147.4
1-5	182.3
1-6	217.2
1-7	252.1
1-8	287.0
1-9	321.9
1-10	356.8
1-11	391.7
1-12	426.5

After the first 12 calendar months of operation following the issuance of this permit, compliance with the combined annual natural gas usage limitation for emission units B006-B010 shall be based upon a rolling, 12-month summation of the natural gas usage figures.

III. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or No.2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

**Metro
PTI A**

Emissions Unit ID: B006

Issued: March 1, 2001

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.
4. The permittee shall maintain monthly records of the following information for emission units B006-B010:
 - a. the No.2 fuel oil usage rate for each month in gallons.
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the No.2 fuel oil usage rates.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative No.2 fuel oil usage rates for each calendar month.

5. The permittee shall maintain monthly records of the following information for emission units B006-B010:
 - a. the amount of natural gas burned for each month in cu.ft.
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of natural gas burned in these emissions units.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative amount of natural gas burned for each calendar month.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or No.2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent by weight) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emission rate (pounds/MMBtu) for the oil received during the calendar month; and
 - c. the weighted* average heat content (Btu/gallon) of the oil received during the calendar month.

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

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

3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month No.2 fuel oil usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative No.2 fuel oil usage levels. Each report shall be submitted within 30 days after the deviation occurs.
4. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month natural gas usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative natural gas usage levels. Each report shall be submitted within 30 days after the deviation occurs.
5. Sulfur Content in Oil Limitation:
The permittee shall submit deviation (excursion) reports which identify all exceedances of the sulfur content limitation for oil combusted in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Emission Limitation -

20% opacity, as a six-minute average

Applicable Compliance Method(s) -

Compliance shall be determined by visible emission observations performed in accordance with USEPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

2. Emission Limitation -

2.36 lbs/hr of NO_x emissions and 21.3 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-1(7/98) emission factor for NO_x (100 lbs NO_x/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for NO_x (100 lbs NO_x/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

3. Emission Limitation -

1.98 lbs/hr of CO emissions and 17.9 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-1(7/98) emission factor for CO (84 lbs CO/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for CO (84 lbs CO/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

4. Emission Limitation -

0.13 lbs/hr of VOC emissions and 1.17 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for VOC (5.5 lbs VOC/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for VOC (5.5 lbs VOC/million cubic feet) by the combined annual natural gas usage restriction for emissions unit B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

5. Emission Limitation -

0.01 lb/hr of SO₂ emissions and 0.13 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for SO₂ (0.6 lbs SO₂/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for SO₂ (0.6 lbs SO₂/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

6. Emission Limitation -

0.18 lb/hr of PM/PM₁₀ emissions and 1.62 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for PM/PM₁₀ (7.6 lbs PM/PM₁₀/million cubic feet).

The TPY emission rate shall determined by multiplying the AP-42 emission factor for PM/PM₁₀ (7.6 lbs PM/PM₁₀/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

7. Emission Limitation -

Emissions Unit ID: B006

3.37 lbs/hr of NO_x emissions and 8.43 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) emission factor for NO_x (20 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

8. Emission Limitation -

0.84 lb/hr of CO emissions and 2.11 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) for CO (5 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

9. Emission Limitation -

0.34 lb/hr of PM/PM₁₀ emissions and 0.84 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) for PM/PM₁₀ (2 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

10. Emission Limitation -

0.5 lb/mmBtu of SO₂ emissions and 29.5 TPY when burning No.2 fuel oil

Issued: March 1, 2001

Applicable Compliance Method -

Compliance with the lb/mmBtu limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of the emissions unit (168.5 gals/hr) by the for SO₂ (142*S lbs/1000gal where S = %weight of sulfur in the No.2 fuel oil) and dividing by the maximum hourly heat input capacity of the emissions unit (23.6 mmBtu/hr).

The TPY emission rate shall be determined by multiplying the above lb/mmBtu emission rate by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

11. Emission Limitation-

From burning natural gas
21.3 TPY NO_x as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section A.III.5. of this permit.

12. Emission Limitation -

From burning No.2 fuel oil:
29.5 TPY SO₂ as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section A.III.4. of this permit.

13. Emission Limitation -

From burning No.2 fuel oil:
8.43 TPY NO_x as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section A.III.4. of this permit.

VI. Miscellaneous Requirements

MetroHealth Medical Center
PTI Application: 13-02750
Issued

Facility ID: 1318002965

Emissions Unit ID: B006

1. This 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.

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);
- 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, OH 43216-3669

and

The Cleveland Bureau of Air Pollution Control
1925 St. Clair Ave.
Cleveland, Ohio 44114

2. The following terms and conditions of this permit are federally enforceable: A.I.2.2a., A.I.2.2b., A.II.3, A.II.4, A.II.5, A.II.6, A.III.4, A.III.5, A.IV.3 and A.IV.4..

**Metro
PTI A**

Emissions Unit ID: B006

Issued: March 1, 2001

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
B006 - 23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler	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.

**Metro
PTI A**

Emissions Unit ID: B007

Issued: March 1, 2001

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
B007 - 23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler	OAC rule 3745-31-05(A)(3)	OAC rule 3745-18-06(D)
		40 CFR Part 60 Subpart Dc
		OAC rule 3745- 31-05(D) Synthetic Minor to avoid PSD
	OAC rule 3745-17-07(A)(1)	
	OAC rule 3745-17-10(B)(1)	

MetroHealth Medical Center
PTI Application: 13-02750
Issued

Facility ID: 1318002965

Emissions Unit ID: B007

Applicable Emissions
Limitations/Control
Measures

From burning natural gas
 2.36 lbs/hr NOx emissions
 1.98 lbs/hr CO emissions
 0.13 lb/hr VOC emissions
 0.01 lb/hr SO2 emissions
 0.18 lb/hr of PM/PM10
 emissions
 See A.I.2a.

From burning No.2 fuel oil
 3.37 lbs/hr NOx emissions
 0.84 lb/hr CO emissions
 0.34 lb/hr of PM/PM10
 emissions
 See A.I.2b.

The requirements established
 pursuant to this rule also
 include the requirements of
 OAC rules
 3745-17-07(A)(1) and 40
 CFR Part 60 Subpart Dc.

20% opacity, as a six-minute
 average, except as provided
 by rule from the stack

The emission limitation
 specified by 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 40 CFR Part 60
 Subpart Dc.

0.5 lb/mmBtu of SO2

emissions

When firing natural gas:
 21.3 TPY NOx as a 12-month rolling
 summation

When firing No.2 fuel oil:
 29.5 TPY SO2 as a 12-month rolling
 summation
 8.43 TPY NOx as a 12-month rolling
 summation

Issued: March 1, 2001

2. Additional Terms and Conditions

2.a When firing natural gas, the combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:

NO_x 21.3 TPY

CO 17.9 TPY

VOC 1.17 TPY

SO₂ 0.13 TPYPM/PM₁₀ 1.62 TPY

2.b When firing No.2 fuel oil, the combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:

NO_x 8.43 TPY

CO 2.11 TPY

SO₂ 29.5 TPYPM/PM₁₀ 0.84 TPY**II. 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 the following specifications on an "as received" basis:
 - a. A sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pounds sulfur dioxide/mmBtu actual heat input.

Compliance with the above-mentioned specifications shall be determined by using analytical results provided by the permittee or oil supplier for each shipment of oil.

3. The combined maximum annual No.2 fuel oil usage for sources B006-B010 shall not exceed 842,857 gallons based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.
4. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the No.2 fuel oil usage rates for B006-B010 specified in the following table:

Month(s)

Maximum Allowable Cumulative gallons of No.2 fuel oil

1	84,286
1-2	153,247
1-3	222,208
1-4	291,169
1-5	360,130
1-6	429,091
1-7	498,052
1-8	567,013
1-9	635,974
1-10	704,935
1-11	773,896
1-12	842,857

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual No.2 fuel oil usage limitation for emissions units B006-B010 shall be based upon a rolling, 12-month summation of the No.2 fuel oil usage figures.

5. The maximum annual natural gas usage for emissions units B006-B010 shall not exceed 426.5 mmcu.ft, based upon a rolling, 12-month summation of the natural gas usage rate figures.
6. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the natural gas usage rate for emission units B006-B010 specified in the following table:

Month(s)

Maximum Allowable

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Emissions Unit ID: B007

ble
Cumul
ative
Natural
Gas
Usage
in
mmcu.f
t

1	42.7
1-2	77.6
1-3	112.5
1-4	147.4
1-5	182.3
1-6	217.2
1-7	252.1
1-8	287.0
1-9	321.9
1-10	356.8
1-11	391.7
1-12	426.5

After the first 12 calendar months of operation following the issuance of this permit, compliance with the combined annual natural gas usage limitation for emission units B006-B010 shall be based upon a rolling, 12-month summation of the natural gas usage figures.

III. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or No.2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

Emissions Unit ID: B007

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.
4. The permittee shall maintain monthly records of the following information for emission units B006-B010:
 - a. the No.2 fuel oil usage rate for each month in gallons.
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the No.2 fuel oil usage rates.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative No.2 fuel oil usage rates for each calendar month.

5. The permittee shall maintain monthly records of the following information for emission units B006-B010:
 - a. the amount of natural gas burned for each month in cu.ft.
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of natural gas burned in these emissions units.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative amount of natural gas burned for each calendar month.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or No.2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent by weight) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emission rate (pounds/MMBtu) for the oil received during the calendar month; and
 - c. the weighted* average heat content (Btu/gallon) of the oil received during the calendar month.

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

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

3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month No.2 fuel oil usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative No.2 fuel oil usage levels. Each report shall be submitted within 30 days after the deviation occurs.
4. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month natural gas usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative natural gas usage levels. Each report shall be submitted within 30 days after the deviation occurs.
5. Sulfur Content in Oil Limitation:
The permittee shall submit deviation (excursion) reports which identify all exceedances of the sulfur content limitation for oil combusted in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Emission Limitation -

20% opacity, as a six-minute average

Applicable Compliance Method(s) -

Compliance shall be determined by visible emission observations performed in accordance with USEPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

2. Emission Limitation -

2.36 lbs/hr of NO_x emissions and 21.3 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-1(7/98) emission factor for NO_x (100 lbs NO_x/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for NO_x (100 lbs NO_x/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

3. Emission Limitation -

1.98 lbs/hr of CO emissions and 17.9 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-1(7/98) emission factor for CO (84 lbs CO/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for CO (84 lbs CO/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

4. Emission Limitation -

0.13 lbs/hr of VOC emissions and 1.17 TPY when burning natural gas

Applicable Compliance Method -

Issued: March 1, 2001

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for VOC (5.5 lbs VOC/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for VOC (5.5 lbs VOC/million cubic feet) by the combined annual natural gas usage restriction for emissions unit B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

5. Emission Limitation -

0.01 lb/hr of SO₂ emissions and 0.13 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for SO₂ (0.6 lbs SO₂/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for SO₂ (0.6 lbs SO₂/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

6. Emission Limitation -

0.18 lb/hr of PM/PM₁₀ emissions and 1.62 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for PM/PM₁₀ (7.6 lbs PM/PM₁₀/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for PM/PM₁₀ (7.6 lbs PM/PM₁₀/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

7. Emission Limitation -

Emissions Unit ID: B007

3.37 lbs/hr of NO_x emissions and 8.43 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) emission factor for NO_x (20 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

8. Emission Limitation -

0.84 lb/hr of CO emissions and 2.11 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) for CO (5 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

9. Emission Limitation -

0.34 lb/hr of PM/PM₁₀ emissions and 0.84 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) for PM/PM₁₀ (2 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

10. Emission Limitation -

0.5 lb/mmBtu of SO₂ emissions and 29.5 TPY when burning No.2 fuel oil

Issued: March 1, 2001

Applicable Compliance Method -

Compliance with the lb/mmBtu limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of the emissions unit (168.5 gals/hr) by the for SO₂ (142*S lbs/1000gal where S = %weight of sulfur in the No.2 fuel oil) and dividing by the maximum hourly heat input capacity of the emissions unit (23.6 mmBtu/hr).

The TPY emission rate shall be determined by multiplying the above lb/mmBtu emission rate by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

11. Emission Limitation-

From burning natural gas
21.3 TPY NO_x as a 12-month rolling summation
Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section A.III.5. of this permit.

12. Emission Limitation -

From burning No.2 fuel oil:
29.5 TPY SO₂ as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section A.III.4. of this permit.

13. Emission Limitation -

From burning No.2 fuel oil:
8.43 TPY NO_x as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section A.III.4. of this permit.

VI. Miscellaneous Requirements

**Metro
PTI A**

Emissions Unit ID: B007

Issued: March 1, 2001

1. This 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.

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);
- 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, OH 43216-3669

and

The Cleveland Bureau of Air Pollution Control
1925 St. Clair Ave.
Cleveland, Ohio 44114

2. The following terms and conditions of this permit are federally enforceable: A.I.2.2a., A.I.2.2b., A.II.3, A.II.4, A.II.5, A.II.6, A.III.4, A.III.5, A.IV.3 and A.IV.4..

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
B007 - 23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler	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.

**Metro
PTI A**

Emissions Unit ID: B008

Issued: March 1, 2001

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
B008 - 23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler	OAC rule 3745-31-05(A)(3)	OAC rule 3745-18-06(D)
		40 CFR Part 60 Subpart Dc
		OAC rule 3745- 31-05(D) Synthetic Minor to avoid PSD
	OAC rule 3745-17-07(A)(1)	
	OAC rule 3745-17-10(B)(1)	

Metro**PTI A****Issued: March 1, 2001**

Applicable Emissions
Limitations/Control
Measures

From burning natural gas
 2.36 lbs/hr NOx emissions
 1.98 lbs/hr CO emissions
 0.13 lb/hr VOC emissions
 0.01 lb/hr SO2 emissions
 0.18 lb/hr of PM/PM10
 emissions
 See A.I.2a.

From burning No.2 fuel oil
 3.37 lbs/hr NOx emissions
 0.84 lb/hr CO emissions
 0.34 lb/hr of PM/PM10
 emissions
 See A.I.2b.

The requirements established
 pursuant to this rule also
 include the requirements of
 OAC rules
 3745-17-07(A)(1) and 40
 CFR Part 60 Subpart Dc.

20% opacity, as a six-minute
 average, except as provided
 by rule from the stack

The emission limitation
 specified by 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 40
 CFR Part 60 Subpart Dc.

0.5 lb/mmBtu of SO2 emissions

When firing natural gas:
 21.3 TPY NOx as a 12-month rolling
 summation

When firing No.2 fuel oil:
 29.5 TPY SO2 as a 12-month rolling
 summation
 8.43 TPY NOx as a 12-month rolling
 summation

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Issued: March 1, 2001

2. Additional Terms and Conditions

2.a When firing natural gas,

The combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:

- NOx 21.3 TPY
- CO 17.9 TPY
- VOC 1.17 TPY
- SO2 0.13 TPY
- PM/PM10 1.62 TPY

2.b When firing No.2 fuel oil,

The combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:

- NOx 8.43 TPY
- CO 2.11 TPY
- SO2 29.5 TPY
- PM/PM10 0.84 TPY

II. 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 the following specifications on an "as received" basis:
 - a. A sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pounds sulfur dioxide/mmBtu actual heat input.

Compliance with the above-mentioned specifications shall be determined by using analytical results provided by the permittee or oil supplier for each shipment of oil.

3. The combined maximum annual No.2 fuel oil usage for sources B006-B010 shall not exceed 842,857 gallons based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.
4. To ensure enforceability during the first 12 calendar months of operation following the issuance of

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this permit, the permittee shall not exceed the No.2 fuel oil usage rates for B006-B010 specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative gallons of No.2 fuel oil</u>
1	84,286
1-2	153,247
1-3	222,208
1-4	291,169
1-5	360,130
1-6	429,091
1-7	498,052
1-8	567,013
1-9	635,974
1-10	704,935
1-11	773,896
1-12	842,857

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual No.2 fuel oil usage limitation for emissions units B006-B010 shall be based upon a rolling, 12-month summation of the No.2 fuel oil usage figures.

5. The maximum annual natural gas usage for emissions units B006-B010 shall not exceed 426.5 mmcu.ft, based upon a rolling, 12-month summation of the natural gas usage rate figures.
6. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the natural gas usage rate for emission units B006-B010 specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable</u>
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Cumul
ative
Natural
Gas
Usage
in
mmcu.f
t

1	42.7
1-2	77.6
1-3	112.5
1-4	147.4
1-5	182.3
1-6	217.2
1-7	252.1
1-8	287.0
1-9	321.9
1-10	356.8
1-11	391.7
1-12	426.5

After the first 12 calendar months of operation following the issuance of this permit, compliance with the combined annual natural gas usage limitation for emission units B006-B010 shall be based upon a rolling, 12-month summation of the natural gas usage figures.

III. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or No.2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.
3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain

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records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.

4. The permittee shall maintain monthly records of the following information for emission units B006-B010:
 - a. the No.2 fuel oil usage rate for each month in gallons.
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the No.2 fuel oil usage rates.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative No.2 fuel oil usage rates for each calendar month.

5. The permittee shall maintain monthly records of the following information for emission units B006-B010:
 - a. the amount of natural gas burned for each month in cu.ft.
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of natural gas burned in these emissions units.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative amount of natural gas burned for each calendar month.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or No.2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent by weight) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emission rate (pounds/MMBtu) for the oil received during the calendar month; and
 - c. the weighted* average heat content (Btu/gallon) of the oil received during the calendar month.

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

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

3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month No.2 fuel oil usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative No.2 fuel oil usage levels. Each report shall be submitted within 30 days after the deviation occurs.
4. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month natural gas usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative natural gas usage levels. Each report shall be submitted within 30 days after the deviation occurs.
5. Sulfur Content in Oil Limitation:
The permittee shall submit deviation (excursion) reports which identify all exceedances of the sulfur content limitation for oil combusted in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Emission Limitation -

20% opacity, as a six-minute average

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Applicable Compliance Method(s) -

Compliance shall be determined by visible emission observations performed in accordance with USEPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

2. Emission Limitation -

2.36 lbs/hr of NO_x emissions and 21.3 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-1(7/98) emission factor for NO_x (100 lbs NO_x/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for NO_x (100 lbs NO_x/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

3. Emission Limitation -

1.98 lbs/hr of CO emissions and 17.9 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-1(7/98) emission factor for CO (84 lbs CO/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for CO (84 lbs CO/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

4. Emission Limitation -

0.13 lbs/hr of VOC emissions and 1.17 TPY when burning natural gas

Applicable Compliance Method -

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Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for VOC (5.5 lbs VOC/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for VOC (5.5 lbs VOC/million cubic feet) by the combined annual natural gas usage restriction for emissions unit B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

5. Emission Limitation -

0.01 lb/hr of SO₂ emissions and 0.13 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for SO₂ (0.6 lbs SO₂/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for SO₂ (0.6 lbs SO₂/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

6. Emission Limitation -

0.18 lb/hr of PM/PM₁₀ emissions and 1.62 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for PM/PM₁₀ (7.6 lbs PM/PM₁₀/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for PM/PM₁₀ (7.6 lbs PM/PM₁₀/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

7. Emission Limitation -

3.37 lbs/hr of NO_x emissions and 8.43 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly

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fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) emission factor for NO_x (20 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

8. Emission Limitation -

0.84 lb/hr of CO emissions and 2.11 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) for CO (5 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

9. Emission Limitation -

0.34 lb/hr of PM/PM₁₀ emissions and 0.84 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) for PM/PM₁₀ (2 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

10. Emission Limitation -

0.5 lb/mmBtu of SO₂ emissions and 29.5 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the lb/mmBtu limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of the emissions unit (168.5 gals/hr) by the for SO₂ ($142 * S$ lbs/1000gal where S = %weight of sulfur in the No.2 fuel oil) and dividing by the maximum hourly heat input capacity of the emissions unit (23.6 mmBtu/hr).

The TPY emission rate shall be determined by multiplying the above lb/mmBtu emission rate by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

11. Emission Limitation-

From burning natural gas
 21.3 TPY NO_x as a 12-month rolling summation
 Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section A.III.5. of this permit.

12. Emission Limitation -

From burning No.2 fuel oil:
 29.5 TPY SO₂ as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section A.III.4. of this permit.

13. Emission Limitation -

From burning No.2 fuel oil:
 8.43 TPY NO_x as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section A.III.4. of this permit.

VI. Miscellaneous Requirements

1. This 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.

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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);
- 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, OH 43216-3669

and

The Cleveland Bureau of Air Pollution Control
1925 St. Clair Ave.
Cleveland, Ohio 44114

2. The following terms and conditions of this permit are federally enforceable: A.I.2.2a., A.I.2.2b., A.II.3, A.II.4, A.II.5, A.II.6, A.III.4, A.III.5, A.IV.3 and A.IV.4..

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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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
B008 - 23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler	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.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
B009 - 23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler	OAC rule 3745-31-05(A)(3)	40 CFR Part 60 Subpart Dc OAC rule 3745- 31-05(D) Synthetic Minor to avoid PSD
	OAC rule 3745-17-07(A)(1)	
	OAC rule 3745-17-10(B)(1)	
	OAC rule 3745-18-06(D)	

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Emissions Unit ID: B009

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Applicable Emissions
Limitations/Control
Measures

From burning natural gas
 2.36 lbs/hr NOx emissions
 1.98 lbs/hr CO emissions
 0.13 lb/hr VOC emissions
 0.01 lb/hr SO2 emissions
 0.18 lb/hr of PM/PM10
 emissions
 See A.I.2a.

From burning No.2 fuel oil
 3.37 lbs/hr NOx emissions
 0.84 lb/hr CO emissions
 0.34 lb/hr of PM/PM10
 emissions
 See A.I.2b.

The requirements established
 pursuant to this rule also
 include the requirements of
 OAC rules
 3745-17-07(A)(1) and 40
 CFR Part 60 Subpart Dc.

20% opacity, as a six-minute
 average, except as provided
 by rule from the stack

The emission limitation
 specified by 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 40
 CFR Part 60 Subpart Dc.

0.5 lb/mmBtu of SO2 emissions

When firing natural gas:
 21.3 TPY NOx as a 12-month rolling
 summation

When firing No.2 fuel oil:
 29.5 TPY SO2 as a 12-month rolling
 summation
 8.43 TPY NOx as a 12-month rolling
 summation

Issued: March 1, 2001**2. Additional Terms and Conditions****2.a** When firing natural gas,

The combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:

NOx 21.3 TPY

CO 17.9 TPY

VOC 1.17 TPY

SO₂ 0.13 TPYPM/PM₁₀ 1.62 TPY**2.b** When firing No.2 fuel oil,

The combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:

NOx 8.43 TPY

CO 2.11 TPY

SO₂ 29.5 TPYPM/PM₁₀ 0.84 TPY**II. 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 the following specifications on an "as received" basis:
 - a. A sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pounds sulfur dioxide/mmBtu actual heat input.

Compliance with the above-mentioned specifications shall be determined by using analytical results provided by the permittee or oil supplier for each shipment of oil.

3. The combined maximum annual No.2 fuel oil usage for sources B006-B010 shall not exceed 842,857 gallons based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.
4. To ensure enforceability during the first 12 calendar months of operation following the issuance of

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this permit, the permittee shall not exceed the No.2 fuel oil usage rates for B006-B010 specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative gallons of No.2 fuel oil</u>
1	84,286
1-2	153,247
1-3	222,208
1-4	291,169
1-5	360,130
1-6	429,091
1-7	498,052
1-8	567,013
1-9	635,974
1-10	704,935
1-11	773,896
1-12	842,857

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual No.2 fuel oil usage limitation for emissions units B006-B010 shall be based upon a rolling, 12-month summation of the No.2 fuel oil usage figures.

5. The maximum annual natural gas usage for emissions units B006-B010 shall not exceed 426.5 mmcu.ft, based upon a rolling, 12-month summation of the natural gas usage rate figures.
6. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the natural gas usage rate for emission units B006-B010 specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Natural Gas Usage in mmcu.ft</u>
1	42.7
1-2	77.6
1-3	112.5
1-4	147.4
1-5	182.3
1-6	217.2
1-7	252.1

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1-8	287.0
1-9	321.9
1-10	356.8
1-11	391.7
1-12	426.5

After the first 12 calendar months of operation following the issuance of this permit, compliance with the combined annual natural gas usage limitation for emission units B006-B010 shall be based upon a rolling, 12-month summation of the natural gas usage figures.

III. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or No.2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.
3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.
4. The permittee shall maintain monthly records of the following information for emission units B006-B010:
 - a. the No.2 fuel oil usage rate for each month in gallons.
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the No.2 fuel oil usage rates.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative No.2 fuel oil usage rates for each calendar month.

5. The permittee shall maintain monthly records of the following information for emission units B006-B010:
 - a. the amount of natural gas burned for each month in cu.ft.
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of natural gas burned in these emissions units.

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Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative amount of natural gas burned for each calendar month.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or No.2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent by weight) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emission rate (pounds/MMBtu) for the oil received during the calendar month; and
 - c. the weighted* average heat content (Btu/gallon) of the oil received during the calendar month.

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

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

3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month No.2 fuel oil usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative No.2 fuel oil usage levels. Each report shall be submitted within 30 days after the deviation occurs.
4. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month natural gas usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative natural gas usage levels. Each report shall be submitted within 30 days after the deviation occurs.
5. **Sulfur Content in Oil Limitation:**
The permittee shall submit deviation (excursion) reports which identify all exceedances of the sulfur content limitation for oil combusted in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Emission Limitation -

20% opacity, as a six-minute average

Applicable Compliance Method(s) -

Compliance shall be determined by visible emission observations performed in accordance with USEPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

2. Emission Limitation -

2.36 lbs/hr of NO_x emissions and 21.3 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-1(7/98) emission factor for NO_x (100 lbs NO_x/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for NO_x (100 lbs NO_x/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

3. Emission Limitation -

1.98 lbs/hr of CO emissions and 17.9 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-1(7/98) emission factor for CO (84 lbs CO/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for CO (84 lbs CO/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

4. Emission Limitation -

0.13 lbs/hr of VOC emissions and 1.17 TPY when burning natural gas

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Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for VOC (5.5 lbs VOC/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for VOC (5.5 lbs VOC/million cubic feet) by the combined annual natural gas usage restriction for emissions unit B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

5. Emission Limitation -

0.01 lb/hr of SO₂ emissions and 0.13 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for SO₂ (0.6 lbs SO₂/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for SO₂ (0.6 lbs SO₂/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

6. Emission Limitation -

0.18 lb/hr of PM/PM₁₀ emissions and 1.62 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for PM/PM₁₀ (7.6 lbs PM/PM₁₀/million cubic feet).

The TPY emission rate shall determined by multiplying the AP-42 emission factor for PM/PM₁₀ (7.6 lbs PM/PM₁₀/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

Emissions Unit ID: B009

7. Emission Limitation -

3.37 lbs/hr of NO_x emissions and 8.43 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) emission factor for NO_x (20 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

8. Emission Limitation -

0.84 lb/hr of CO emissions and 2.11 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) for CO (5 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

9. Emission Limitation -

0.34 lb/hr of PM/PM₁₀ emissions and 0.84 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) for PM/PM₁₀ (2 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

10. Emission Limitation -

Issued: March 1, 2001

0.5 lb/mmBtu of SO₂ emissions and 29.5 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the lb/mmBtu limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of the emissions unit (168.5 gals/hr) by the for SO₂ (142*S lbs/1000gal where S = %weight of sulfur in the No.2 fuel oil) and dividing by the maximum hourly heat input capacity of the emissions unit (23.6 mmBtu/hr).

The TPY emission rate shall be determined by multiplying the above lb/mmBtu emission rate by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

11. Emission Limitation-

From burning natural gas
21.3 TPY NO_x as a 12-month rolling summation
Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section A.III.5. of this permit.

12. Emission Limitation -

From burning No.2 fuel oil:
29.5 TPY SO₂ as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section A.III.4. of this permit.

13. Emission Limitation -

From burning No.2 fuel oil:
8.43 TPY NO_x as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section

A.III.4. of this permit.

VI. Miscellaneous Requirements

1. This 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.

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);
- 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, OH 43216-3669

and

The Cleveland Bureau of Air Pollution Control
1925 St. Clair Ave.
Cleveland, Ohio 44114

2. The following terms and conditions of this permit are federally enforceable: A.I.2.2a., A.I.2.2b., A.II.3, A.II.4, A.II.5, A.II.6, A.III.4, A.III.5, A.IV.3 and A.IV.4..

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Emissions Unit ID: B009

Issued: March 1, 2001

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
B009 - 23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler	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.

**Metro
PTI A**

Emissions Unit ID: B010

Issued: March 1, 2001

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
B010 - 23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler	OAC rule 3745-31-05(A)(3)	OAC rule 3745-18-06(D)
		40 CFR Part 60 Subpart Dc
		OAC rule 3745- 31-05(D) Synthetic Minor to avoid PSD
	OAC rule 3745-17-07(A)(1)	
	OAC rule 3745-17-10(B)(1)	

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Applicable Emissions
Limitations/Control
Measures

limitation established pursuant to 40
CFR Part 60 Subpart Dc.

From burning natural gas
2.36 lbs/hr NOx emissions
1.98 lbs/hr CO emissions
0.13 lb/hr VOC emissions
0.01 lb/hr SO2 emissions
0.18 lb/hr of PM/PM10
emissions
See A.I.2a.

From burning No.2 fuel oil
3.37 lbs/hr NOx emissions
0.84 lb/hr CO emissions
0.34 lb/hr of PM/PM10
emissions
See A.I.2b.

The requirements established
pursuant to this rule also
include the requirements of
OAC rules
3745-17-07(A)(1) and 40
CFR Part 60 Subpart Dc.

20% opacity, as a six-minute
average, except as provided
by rule from the stack

The emission limitation
specified by 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

0.5 lb/mmBtu of SO₂
emissions

When firing natural gas:
21.3 TPY NO_x as a
12-month rolling summation

When firing No.2 fuel oil:
29.5 TPY SO₂ as a
12-month rolling summation
8.43 TPY NO_x as a
12-month rolling summation

2. Additional Terms and Conditions

- 2.a** When firing natural gas,
The combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:
NO_x 21.3 TPY
CO 17.9 TPY
VOC 1.17 TPY
SO₂ 0.13 TPY
PM/PM₁₀ 1.62 TPY
- 2.b** When firing No.2 fuel oil,
The combined annual emissions resulting from the operation of emissions units B006-B010 shall not exceed the following limits:
NO_x 8.43 TPY
CO 2.11 TPY
SO₂ 29.5 TPY
PM/PM₁₀ 0.84 TPY

II. 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 the following specifications on an "as received" basis:
 - a. A sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pounds sulfur dioxide/mmBtu actual heat input.

Compliance with the above-mentioned specifications shall be determined by using analytical results provided by the permittee or oil supplier for each shipment of oil.

3. The combined maximum annual No.2 fuel oil usage for sources B006-B010 shall not exceed

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Emissions Unit ID: B010

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842,857 gallons based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.

4. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the No.2 fuel oil usage rates for B006-B010 specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative gallons of No.2 fuel oil</u>
1	84,286
1-2	153,247
1-3	222,208
1-4	291,169
1-5	360,130
1-6	429,091
1-7	498,052
1-8	567,013
1-9	635,974
1-10	704,935
1-11	773,896
1-12	842,857

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual No.2 fuel oil usage limitation for emissions units B006-B010 shall be based upon a rolling, 12-month summation of the No.2 fuel oil usage figures.

5. The maximum annual natural gas usage for emissions units B006-B010 shall not exceed 426.5 mmcu.ft, based upon a rolling, 12-month summation of the natural gas usage rate figures.
6. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the natural gas usage rate for emission units B006-B010 specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Natural Gas Usage in mmcu.ft</u>
1	42.7
1-2	77.6
1-3	112.5
1-4	147.4
1-5	182.3

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1-6	217.2
1-7	252.1
1-8	287.0
1-9	321.9
1-10	356.8
1-11	391.7
1-12	426.5

After the first 12 calendar months of operation following the issuance of this permit, compliance with the combined annual natural gas usage limitation for emission units B006-B010 shall be based upon a rolling, 12-month summation of the natural gas usage figures.

III. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas and/or No.2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.
3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.
4. The permittee shall maintain monthly records of the following information for emission units B006-B010:
 - a. the No.2 fuel oil usage rate for each month in gallons.
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the No.2 fuel oil usage rates.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative No.2 fuel oil usage rates for each calendar month.

5. The permittee shall maintain monthly records of the following information for emission units

Emissions Unit ID: B010

B006-B010:

- a. the amount of natural gas burned for each month in cu.ft.
- b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of natural gas burned in these emissions units.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative amount of natural gas burned for each calendar month.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or No.2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent by weight) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emission rate (pounds/MMBtu) for the oil received during the calendar month; and
 - c. the weighted* average heat content (Btu/gallon) of the oil received during the calendar month.

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

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

3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month No.2 fuel oil usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative No.2 fuel oil usage levels. Each report shall be submitted within 30 days after the deviation occurs.
4. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month natural gas usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative natural gas usage levels. Each report shall be submitted within 30 days after the deviation occurs.
5. Sulfur Content in Oil Limitation:
The permittee shall submit deviation (excursion) reports which identify all exceedances of the sulfur content limitation for oil combusted in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Emission Limitation -

20% opacity, as a six-minute average

Applicable Compliance Method(s) -

Compliance shall be determined by visible emission observations performed in accordance with USEPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

2. Emission Limitation -

2.36 lbs/hr of NO_x emissions and 21.3 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-1(7/98) emission factor for NO_x (100 lbs NO_x/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for NO_x (100 lbs NO_x/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

3. Emission Limitation -

1.98 lbs/hr of CO emissions and 17.9 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-1(7/98) emission factor for CO (84 lbs CO/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for CO (84 lbs CO/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

4. Emission Limitation -

Emissions Unit ID: B010

0.13 lbs/hr of VOC emissions and 1.17 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for VOC (5.5 lbs VOC/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for VOC (5.5 lbs VOC/million cubic feet) by the combined annual natural gas usage restriction for emissions unit B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

5. Emission Limitation -

0.01 lb/hr of SO₂ emissions and 0.13 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for SO₂ (0.6 lbs SO₂/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for SO₂ (0.6 lbs SO₂/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

6. Emission Limitation -

0.18 lb/hr of PM/PM₁₀ emissions and 1.62 TPY when burning natural gas

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly natural gas usage of each emissions unit (0.0236 mmcu.ft/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for PM/PM₁₀ (7.6 lbs PM/PM₁₀/million cubic feet).

The TPY emission rate shall be determined by multiplying the AP-42 emission factor for PM/PM₁₀ (7.6 lbs PM/PM₁₀/million cubic feet) by the combined annual natural gas usage restriction for emissions units B006-B010 (426.5 mmcu.ft) and the factor (1.0 ton/2000 lbs).

7. Emission Limitation -

Issued: March 1, 2001

3.37 lbs/hr of NO_x emissions and 8.43 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) emission factor for NO_x (20 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

8. Emission Limitation -

0.84 lb/hr of CO emissions and 2.11 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) for CO (5 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

9. Emission Limitation -

0.34 lb/hr of PM/PM₁₀ emissions and 0.84 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the hourly emission limit shall be determined by multiplying the maximum hourly fuel oil burning capacity of each emissions unit (168.5 gal/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(9/98) for PM/PM₁₀ (2 lb/1000 gal).

The TPY emission rate will be determined by multiplying the above AP-42 emission factor by the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons)

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and the factor (1.0 ton/2000 lbs).

10. Emission Limitation -

0.5 lb/mmBtu of SO₂ emissions and 29.5 TPY when burning No.2 fuel oil

Applicable Compliance Method -

Compliance with the lb/mmBtu limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity of the emissions unit (168.5 gals/hr) by the SO_2 (142*S lbs/1000gal where S = %weight of sulfur in the No.2 fuel oil) and dividing by the maximum hourly heat input capacity of the emissions unit (23.6 mmBtu/hr).

The TPY emission rate shall be determined by multiplying the above lb/mmBtu emission rate by the heat content of No.2 fuel oil (0.14 mmBtu/gal) and the combined annual No.2 fuel oil usage restriction for emissions units B006-B010 (842,857 gallons) and the factor (1.0 ton/2000 lbs).

11. Emission Limitation-

From burning natural gas
 21.3 TPY NO_x as a 12-month rolling summation
 Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section A.III.5. of this permit.

12. Emission Limitation -

From burning No.2 fuel oil:
 29.5 TPY SO₂ as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section A.III.4. of this permit.

13. Emission Limitation -

From burning No.2 fuel oil:
 8.43 TPY NO_x as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in Section A.III.4. of this permit.

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Emissions Unit ID: B010

Issued: March 1, 2001**VI. Miscellaneous Requirements**

1. This 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.

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);
- 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, OH 43216-3669

and

The Cleveland Bureau of Air Pollution Control
1925 St. Clair Ave.
Cleveland, Ohio 44114

2. The following terms and conditions of this permit are federally enforceable: A.I.2.2a., A.I.2.2b., A.II.3, A.II.4, A.II.5, A.II.6, A.III.4, A.III.5, A.IV.3 and A.IV.4..

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
B010 - 23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler	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.

NEW SOURCE REVIEW FORM B

PTI Number: 13-03759 Facility ID: 1318002965

FACILITY NAME MetroHealth Medical Center

FACILITY DESCRIPTION Hospital CITY/TWP Cleveland

SIC CODE 8062 SCC CODE 3-15-020-01 EMISSIONS UNIT ID B006

EMISSIONS UNIT DESCRIPTION 23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler

DATE INSTALLED n/a

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	non-attainment oil	No.2 0.34 lb/hr	0.84	0.34 lb/hr	0.84
	nat gas	0.18 lb/hr	1.62	0.18 lb/hr	1.62
PM ₁₀					
Sulfur Dioxide	attainment oil	No.2 0.5 lb/mmBtu	29.5	0.5 lb/mmBtu	29.5
	nat gas	0.01 lb/hr	0.13	0.01 lb/hr	0.13
Organic Compounds	attainment oil	No.2 -	-	-	-
	nat gas	0.13 lbs/hr	1.17	0.13 lbs/hr	1.17
Nitrogen Oxides	attainment oil	No.2 3.37 lbs/hr	8.43	3.37 lbs/hr	8.43
	nat gas	2.36 lbs/hr	21.3	2.36 lbs/hr	21.3
Carbon Monoxide	attainment oil	No.2 0.84 lb/hr	2.11	0.84 lb/hr	2.11
	nat gas	1.98 lbs/hr	17.9	1.98 lbs/hr	17.9
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? 40 CFR Part 60

NESHAP?

PSD?

OFFSET POLICY?

Subpart Dc

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Use of natural gas as primary fuel and compliance with the terms and conditions in this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 13-03759 Facility ID: 1318002965

FACILITY NAME MetroHealth Medical Center

FACILITY DESCRIPTION Hospital CITY/TWP Cleveland

Emissions Unit ID: B010

SIC CODE 8062 SCC CODE 3-15-020-01 EMISSIONS UNIT ID B007

EMISSIONS UNIT DESCRIPTION 23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler

DATE INSTALLED n/a

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	non-attainment oil	0.34 lb/hr	0.84	0.34 lb/hr	0.84
	nat gas	0.18 lb/hr	1.62	0.18 lb/hr	1.62
PM ₁₀					
Sulfur Dioxide	attainment oil	0.5 lb/mmBtu	29.5	0.5 lb/mmBtu	29.5
	nat gas	0.01 lb/hr	0.13	0.01 lb/hr	0.13
Organic Compounds	attainment oil	-	-	-	-
	nat gas	0.13 lbs/hr	1.17	0.13 lbs/hr	1.17
Nitrogen Oxides	attainment oil	3.37 lbs/hr	8.43	3.37 lbs/hr	8.43
	nat gas	2.36 lbs/hr	21.3	2.36 lbs/hr	21.3
Carbon Monoxide	attainment oil	0.84 lb/hr	2.11	0.84 lb/hr	2.11
	nat gas	1.98 lbs/hr	17.9	1.98 lbs/hr	17.9
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? 40 CFR Part 60 Subpart Dc NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Use of natural gas as primary fuel and compliance with the terms and conditions in this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no
 OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES x NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 13-03759 Facility ID: 1318002965

FACILITY NAME MetroHealth Medical Center

FACILITY DESCRIPTION Hospital CITY/TWP Cleveland

Emissions Unit ID: B010

SIC CODE 8062 SCC CODE 3-15-020-01 EMISSIONS UNIT ID B008

EMISSIONS UNIT DESCRIPTION 23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler

DATE INSTALLED n/a

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description		Actual Emissions Rate		PTI Allowable	
			Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	non-attainment oil	No.2	0.34 lb/hr	0.84	0.34 lb/hr	0.84
		nat gas	0.18 lb/hr	1.62	0.18 lb/hr	1.62
PM ₁₀						
Sulfur Dioxide	attainment oil	No.2	0.5 lb/mmBtu	29.5	0.5 lb/mmBtu	29.5
		nat gas	0.01 lb/hr	0.13	0.01 lb/hr	0.13
Organic Compounds	attainment oil	No.2	-	-	-	-
		nat gas	0.13 lbs/hr	1.17	0.13 lbs/hr	1.17
Nitrogen Oxides	attainment oil	No.2	3.37 lbs/hr	8.43	3.37 lbs/hr	8.43
		nat gas	2.36 lbs/hr	21.3	2.36 lbs/hr	21.3
Carbon Monoxide	attainment oil	No.2	0.84 lb/hr	2.11	0.84 lb/hr	2.11
		nat gas	1.98 lbs/hr	17.9	1.98 lbs/hr	17.9
Lead						
Other: Air Toxics						

APPLICABLE FEDERAL RULES:

NSPS? 40 CFR Part 60 NESHAP? PSD? OFFSET POLICY?
Subpart Dc

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Use of natural gas as primary fuel and compliance with the terms and conditions in this permit.

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OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

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Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES x NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 13-03759 Facility ID: 1318002965

FACILITY NAME MetroHealth Medical Center

FACILITY DESCRIPTION Hospital CITY/TWP Cleveland

Emissions Unit ID: B010

SIC CODE 8062 SCC CODE 3-15-020-01 EMISSIONS UNIT ID B009

EMISSIONS UNIT DESCRIPTION 23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler

DATE INSTALLED n/a

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description		Actual Emissions Rate		PTI Allowable	
			Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	non-attainment oil	No.2	0.34 lb/hr	0.84	0.34 lb/hr	0.84
		nat gas	0.18 lb/hr	1.62	0.18 lb/hr	1.62
PM ₁₀						
Sulfur Dioxide	attainment oil	No.2	0.5 lb/mmBtu	29.5	0.5 lb/mmBtu	29.5
		nat gas	0.01 lb/hr	0.13	0.01 lb/hr	0.13
Organic Compounds	attainment oil	No.2	-	-	-	-
		nat gas	0.13 lbs/hr	1.17	0.13 lbs/hr	1.17
Nitrogen Oxides	attainment oil	No.2	3.37 lbs/hr	8.43	3.37 lbs/hr	8.43
		nat gas	2.36 lbs/hr	21.3	2.36 lbs/hr	21.3
Carbon Monoxide	attainment oil	No.2	0.84 lb/hr	2.11	0.84 lb/hr	2.11
		nat gas	1.98 lbs/hr	17.9	1.98 lbs/hr	17.9
Lead						
Other: Air Toxics						

APPLICABLE FEDERAL RULES:

NSPS? 40 CFR Part 60 Subpart Dc NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Use of natural gas as primary fuel and compliance with the terms and conditions in this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no
 OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES x NO

IDENTIFY THE AIR CONTAMINANTS:

80 NEW SOURCE REVIEW FORM B

PTI Number: 13-03759 Facility ID: 1318002965

FACILITY NAME MetroHealth Medical Center

FACILITY DESCRIPTION Hospital CITY/TWP Cleveland

Emissions Unit ID: B010

SIC CODE 8062 SCC CODE 3-15-020-01 EMISSIONS UNIT ID B010

EMISSIONS UNIT DESCRIPTION 23.6 mmBtu/hr natural gas/ (No.2 oil standby) fired boiler

DATE INSTALLED n/a

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description		Actual Emissions Rate		PTI Allowable	
			Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	non-attainment oil	No.2	0.34 lb/hr	0.84	0.34 lb/hr	0.84
		nat gas	0.18 lb/hr	1.62	0.18 lb/hr	1.62
PM ₁₀						
Sulfur Dioxide	attainment oil	No.2	0.5 lb/mmBtu	29.5	0.5 lb/mmBtu	29.5
		nat gas	0.01 lb/hr	0.13	0.01 lb/hr	0.13
Organic Compounds	attainment oil	No.2	-	-	-	-
		nat gas	0.13 lbs/hr	1.17	0.13 lbs/hr	1.17
Nitrogen Oxides	attainment oil	No.2	3.37 lbs/hr	8.43	3.37 lbs/hr	8.43
		nat gas	2.36 lbs/hr	21.3	2.36 lbs/hr	21.3
Carbon Monoxide	attainment oil	No.2	0.84 lb/hr	2.11	0.84 lb/hr	2.11
		nat gas	1.98 lbs/hr	17.9	1.98 lbs/hr	17.9
Lead						
Other: Air Toxics						

APPLICABLE FEDERAL RULES:

NSPS? 40 CFR Part 60 Subpart Dc NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Use of natural gas as primary fuel and compliance with the terms and conditions in this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no
 OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES x NO

IDENTIFY THE AIR CONTAMINANTS:

8 NEW SOURCE REVIEW FORM B

PTI Number: 13-03759

Facility ID: 1318002965

FACILITY NAME MetroHealth Medical Center

FACILITY DESCRIPTION Hospital

CITY/TWP Cleveland

Emissions Unit ID: B010

Ohio EPA Permit to Install Information Form Please describe below any documentation which is being submitted with this recommendation (must be sent the same day). Electronic items should be submitted with the e-mail transmitting the PTI terms, and in software that CO can utilize. If mailing any hard copy, this section must be printed as a cover page. All items must be clearly labeled indicating the PTI name and number. Submit **hard copy items to Pam McGraner**, AQM&P, DAPC, Central Office, and electronic files to **airpti@epa.state.oh.us**

Please fill out the following. If the checkbox does not work, replace it with an 'X'

	Electronic	<u>Additional information File Name Convention (your PTI # plus this letter)</u>	Hard Copy	None
<u>Calculations (required)</u>	<input checked="" type="checkbox"/>	1303759c.wpd	<input type="checkbox"/>	
Modeling form/results	<input type="checkbox"/>	0000000s.wpd	<input type="checkbox"/>	<input type="checkbox"/>
PTI Application (complete or partial)*	<input type="checkbox"/>	0000000a.wpd	<input type="checkbox"/>	<input type="checkbox"/>
BAT Study	<input type="checkbox"/>	0000000b.wpd	<input type="checkbox"/>	<input type="checkbox"/>
Other/misc.	<input type="checkbox"/>	0000000t.wpd	<input type="checkbox"/>	<input type="checkbox"/>

* Mandatory for netting, PSD, nonattainment NSR, 112(g), 21-07(G)(9)(g) and 21-09(U)(2)(f) - 2 complete copies.

Please complete (see comment bubble to the left for additional instructions):

NSR Discussion

NONE

Please complete for these type permits (For PSD/NSR Permit, place mouse over this text):

Synthetic Minor Determination and/or **Netting Determination**

Permit To Install **13-03759**

- A. Source Description The MetroHealth Medical Center has submitted Permits to Install for (5) 23.6 mmBtu/hr natural gas/No.2 fuel oil boilers.
- B. Facility Emissions and Attainment Status This facility has Title V status due to the facility emitting SO₂ and NO_x emissions in excess of 100 TPY. Cuyahoga County is designated as attainment for NO_x and non-attainment for SO₂.
- C. Source Emissions These new sources have the potential to emit (PTE) more than 40 tons of SO₂ (157) and NO_x (74) per year when burning No.2 fuel oil and more than 40 tons of NO_x (51.5) per year when burning natural gas resulting in PSD applicability. However, the company has requested a Federal Enforceable Permit to Install (Syn Minor) in order to avoid PSD permitting. The allowable will be 29.5 TPY of SO₂ and 8.43 TPY of NO_x when burning No.2 fuel oil and 21.3 TPY of NO_x when burning natural gas. Total SO₂ and NO_x limits are 29.6 TPY and 29.7 TPY respectively. All other pollutants have PTE's below PSD trigger levels.
- D. Conclusion Limiting the No.2 fuel oil usage rate for all five boilers (842,857 gallons/yr based on a 12-month rolling summation) will limit the SO₂ and NO_x emissions to 29.5 and 8.43 TPY. Also, limiting the natural gas usage of all five boilers when burning natural gas (426.5 mmcuft/yr based on a 12-month rolling summation) will limit the NO_x emissions to 21.3 TPY. Therefore, MetroHealth Medical Center will not be subject to PSD permitting.

NEW SOURCE REVIEW FORM B

PTI Number: 13-03759

Facility ID: 1318002965

FACILITY NAME MetroHealth Medical Center

FACILITY DESCRIPTION Hospital

CITY/TWP Cleveland

Emissions Unit ID: B010

PLEASE PROVIDE ADDITIONAL NOTES OR COMMENTS AS NECESSARY:

NONE

Please complete:

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

Pollutant	Tons Per Year
PM/PM10	2.5
NOx	29.7
SO2	29.6
CO	20.0
VOC	1.2