



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center  
122 S. Front Street  
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center  
P.O. Box 1049  
Columbus, OH 43216-1049

**RE: FINAL PERMIT TO INSTALL  
CUYAHOGA COUNTY  
Application No: 13-03071**

**CERTIFIED MAIL**

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
40 CFR Part 60 Subpart Dc	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

**DATE: 7/11/00**

VA Medical Center  
Robert E. Poole  
10000 Brecksville Road  
Brecksville, OH 44141-0000

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

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

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

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

Very truly yours,

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

cc: USEPA

CBAPC



**FINAL PERMIT TO INSTALL 13-03071**

Application Number: 13-03071  
APS Premise Number: 1318004330  
Permit Fee: **\$1200**  
Name of Facility: VA Medical Center  
Person to Contact: Robert E. Poole  
Address: 10000 Brecksville Road  
Brecksville, OH 44141-0000

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**10701 East Blvd  
Cleveland, Ohio**

Description of proposed emissions unit(s):  
**one 18.80 mmBtu/hr and two 31.46 mmBtu/hr natural gas/No.2 fuel oil fired boilers.**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

## Part I - GENERAL TERMS AND CONDITIONS

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

#### 3. Records Retention Requirements

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

#### 4. Inspections and Information Requests

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

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

**5. Scheduled Maintenance/Malfunction Reporting**

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

**6. Permit Transfers**

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

**7. Air Pollution Nuisance**

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

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**9. Construction of New Sources(s)**

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.

**10. Public Disclosure**

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

**11. Applicability**

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

**12. Best Available Technology**

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

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

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

**14. Construction Compliance Certification**

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

**15. Fees**

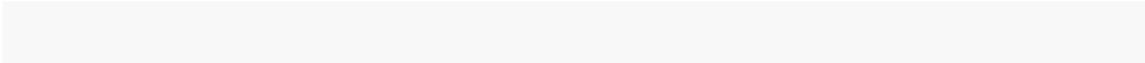
The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

**B. Permit to Install Summary of Allowable Emissions**

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

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

<u>Pollutant</u>	<u>Tons Per Year</u>
<u>PM</u>	<u>7.18</u>
<u>N0x</u>	<u>49.8</u>
<u>CO</u>	<u>28.6</u>
<u>S02</u>	<u>88.2</u>
<u>OC</u>	<u>2.90</u>



**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. Applicable Emissions Limitations and/or Control Requirements**

- 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>
B004 - 18.80 MMBTU/hr natural gas/No.2 fuel oil fired boiler	OAC rule 3745-31-05(A)(3)	From burning natural gas 1.79 lbs/hr NOx, 7.84 TPY 1.50 lbs/hr CO, 6.57 TPY 1.66 TPY of PM
		From burning No.2 fuel oil 4.62 lbs/hr SO2, 20.2 TPY 2.60 lb/hr NOx, 11.4 TPY 0.65 lbs/hr CO, 2.85 TPY 1.66 TPY of PM
	OAC rule 3745-17-07(A)(1)	20% opacity, as a six-minute average, except as provided by rule
	OAC rule 3745-17-10(B)(1)	0.02 lb/MMBtu of PM
	OAC rule 3745-18-06(D)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	40 CFR Part 60 Subpart Dc	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

**2.a** None.

**B. 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 0.25 pounds sulfur dioxide/MMBtu actual heat input.
  - b. Greater than 140,000 Btu/gallon of oil.

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.

**C. 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.

**D. 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.

## E. 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 -

1.79 lbs/hr of NO<sub>x</sub> 7.84 TPY when burning natural gas

Applicable Compliance Method -

Compliance shall be based upon multiplying the maximum hourly heat input capacity of the emissions unit (18.80 MMBtu/hr) by the AP-42 emission factor for NO<sub>x</sub> (100 lbs NO<sub>x</sub>/million cubic feet) and dividing by the heat content for natural gas (1 ft<sup>3</sup>/1050 btu) to arrive at the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at the tons per year (TPY) emission rate.

### 3. Emission Limitation -

1.50 lbs/hr of CO 6.57 TPY when burning natural gas

Applicable Compliance Method -

Compliance shall be based upon multiplying the maximum hourly heat input capacity of the emissions unit (18.80 MMBtu/hr) by the AP-42 emission factor for CO (84 lbs CO/million cubic feet) and dividing by the heat content for natural gas (1 ft<sup>3</sup>/1050 btu) to arrive at the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at the TPY emission rate.

4. Emission Limitation -

0.020 lb/MMBtu actual heat input of PM,  
1.66 TPY when burning natural gas

Applicable Compliance Method -

Compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0150mmcu.ft/hr) by the AP-42 emission factor for natural gas (7.6 lb/MMCU.FT)(7/98) and dividing by the maximum hourly heat input capacity of the emissions unit (18.80 MMBtu/hr) to arrive at the short term emission rate in lb/MMBtu. The short term emission rate is multiplied by the maximum hourly heat input capacity of the emissions unit (18.80 MMBtu/hr) and the annual operating hours of the emissions unit (8760). This total is divided by 2000 lbs/ton to arrive at TPY emission rate.

5. Emission Limitation -

0.020 lb/MMBtu actual heat input of PM,  
1.66 TPY when burning No. 2 fuel oil

Compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (130 gal/hr) by the AP-42 emission factor for PM(2 lb/1000 gal) and dividing by the maximum hourly heat input capacity of the emissions unit (18.80 MMBtu/hr) to arrive at the short term emission rate in lb/MMBtu. The short term emission rate is multiplied by the maximum hourly heat input capacity of the emissions unit (18.80 MMBtu/hr) and the annual operating hours of the emissions unit (8760). This total is divided by 2000 lbs/ton to arrive at the TPY emission rate.

6. Emission Limitation -

4.62 lbs/hr of SO<sub>2</sub>      20.2 TPY      when burning No.2 fuel oil

Applicable Compliance Method -

For the use of No.2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (130 gal/hr) by the AP-42 emission factor for SO<sub>2</sub> (142\*S lb/1000 gal). S is equal to the %weight of Sulfur in the fuel to arrive at the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at TPY emission rate.

7. Emission Limitation -

2.60 lbs/hr of NO<sub>x</sub>      11.4 TPY      when burning No.2 fuel oil

Applicable Compliance Method -

For the use of No.2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (130 gal/hr) by the AP-42 emission factor for NO<sub>x</sub> (20 lb/1000 gal) to arrive at the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at TPY emission rate.

8. Emission Limitation -

0.65 lb/hr of CO      2.85 TPY      when burning No.2 fuel oil

Applicable Compliance Method -

For the use of No.2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (130 gal/hr) by the AP-42 emission factor for CO (5 lb/1000 gal) to arrive at the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at TPY emission rate.

**F. 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

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**VA Medical Center**

**PTI Application: 13-03071**

**Issued: 7/11/00**

**Facility ID: 1318004330**

**Emissions Unit ID: B004**

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

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. Applicable Emissions Limitations and/or Control Requirements**

- 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>
B005 - 31.46 MMBtu/hr natural gas/No. 2 fuel oil fired boiler	OAC rule 3745-31-05(A)(3)	From burning natural gas 0.33 lb/hr OC, 1.45 TPY 3.00 lbs/hr NOx, 13.1 TPY 2.52 lbs/hr CO, 11.0 TPY 2.76 TPY of PM
		From burning No.2 fuel oil 7.77 lbs/hr SO2, 34.0 TPY 4.38 lbs/hr NOx, 19.2 TPY 1.10 lbs/hr CO, 4.82 TPY 2.76 TPY of PM
	OAC rule 3745-17-07(A)(1)	20% opacity, as a six-minute average, except as provided by rule
	OAC rule 3745-17-10(B)(1)	0.02 lb/MMBtu of PM
	OAC rule 3745-18-06(D)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	40 CFR Part 60 Subpart Dc	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

2.a None.

**B. 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 0.25 pounds sulfur dioxide/MMBtu actual heat input.
  - b. Greater than 140,000 Btu/gallon of oil.

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.

**C. 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.

**D. 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.

**E. 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 -

0.33 lb/hr of OC 1.45 TPY when burning natural gas

Applicable Compliance Method -

Compliance shall be based upon multiplying the maximum hourly heat input capacity of the emissions unit (31.46 MMBtu/hr) by the AP-42 emission factor for OC (11 lbs OC/million cubic feet) and dividing by the heat content for natural gas (1 ft<sup>3</sup>/1050 btu) to arrive at the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at the tons per year (TPY) emission rate.

- 3. Emission Limitation -

3.00 lbs/hr of NOx 13.1 TPY when burning natural gas

Applicable Compliance Method -

Compliance shall be based upon multiplying the maximum hourly heat input capacity of the emissions unit (31.46 MMBtu/hr) by the AP-42 emission factor for NOx (100 lbs NOx/million cubic feet) and dividing by the heat content for natural gas (1 ft<sup>3</sup>/1050 btu) to arrive at the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at TPY emission rate.

- 4. Emission Limitation -

2.52 lbs/hr of CO 11.0 TPY when burning natural gas

Applicable Compliance Method -

Compliance shall be based upon multiplying the maximum hourly heat input capacity of the emissions unit (31.46 MMBtu/hr) by the AP-42 emission factor for CO (84 lbs CO/million cubic feet) and dividing by the heat content for natural gas (1 ft<sup>3</sup>/1050 btu) to arrive at the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at TPY emission rate.

5. Emission Limitation -

0.020 lb/MMBtu actual heat input of PM,  
2.76 TPY when burning natural gas

Applicable Compliance Method -

Compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (0.0299mmcu.ft/hr) by the AP-42 emission factor for natural gas (7.6 lb/MMcu.ft)(7/98) and dividing by the maximum hourly heat input capacity of the emissions unit (31.46 MMBtu/hr) to arrive at the short term emission rate in lb/MMBtu. The short term emission rate is multiplied by the maximum hourly heat input capacity of the emissions unit (31.46 MMBtu/hr) and the annual operating hours of the emissions unit (8760). This total is divided by 2000 lbs/ton to arrive at TPY emission rate.

6. Emission Limitation -

0.020 lb/MMBtu actual heat input of PM,  
2.76 TPY when burning No.2 fuel oil

For the use of No.2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (219 gal/hr) by the AP-42 emission factor for PM (2 lb/1000 gal) and dividing by the maximum hourly heat input capacity of the emissions unit (31.46 MMBtu/hr) to arrive at the short term emission rate in lb/MMBtu. The short term emission rate is multiplied by the maximum hourly heat input capacity of the emissions unit (31.46 MMBtu/hr) and the annual operating hours of the emissions unit (8760). This total is divided by 2000 lbs/ton to arrive at TPY emission rate.

7. Emission Limitation -

7.77 lbs/hr of SO<sub>2</sub>      34.0 TPY      when burning No.2 fuel oil

Applicable Compliance Method -

For the use of No.2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (219 gal/hr) by the AP-42 emission factor for SO<sub>2</sub> (142\*S lb/1000 gal). S is equal to the %weight of Sulfur in the fuel to arrive a the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual

operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at the tons per year (TPY) emission rate.

8. Emission Limitation -

4.38 lbs/hr of NO<sub>x</sub>      19.2 TPY      when burning No.2 fuel oil

Applicable Compliance Method -

For the use of No.2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (219 gal/hr) by the AP-42 emission factor for NO<sub>x</sub> (20 lb/1000 gal) to arrive at the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at TPY emission rate.

9. Emission Limitation -

1.10 lb/hr of CO      4.82 TPY      when burning No.2 fuel oil

Applicable Compliance Method -

For the use of No.2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (219 gal/hr) by the AP-42 emission factor for CO (5 lb/1000 gal) to arrive at the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at TPY emission rate.

**F. 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).

**VA Medical Center**

**PTI Application: 13-03071**

**Issued: 7/11/00**

**Facility ID: 1318004330**

**Emissions Unit ID: B005**

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**

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
B006 - 31.46 MMBtu/hr natural gas/No.2 fuel oil fired boiler	OAC rule 3745-31-05(A)(3)	From burning natural gas 0.33 lb/hr OC, 1.45 TPY 3.00 lbs/hr NOx, 13.1 TPY 2.52 lbs/hr CO, 11.0 TPY 2.76 TPY of PM
		From burning No.2 fuel oil 7.77 lbs/hr SO2, 34.0 TPY 4.38 lbs/hr NOx, 19.2 TPY 1.10 lbs/hr CO, 4.82 TPY 2.76 TPY of PM
	OAC rule 3745-17-07(A)(1)	20% opacity, as a six-minute average, except as provided by rule
	OAC rule 3745-17-10(B)(1)	0.02 lb/MMBtu of PM
	OAC rule 3745-18-06(D)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	40 CFR Part 60 Subpart Dc	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

2.a None.

**B. 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 0.25 pounds sulfur dioxide/MMBtu actual heat input.
  - b. Greater than 140,000 Btu/gallon of oil.

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.

**C. 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.

**D. 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.

**E. 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 -

0.33 lb/hr of OC 1.45 TPY when burning natural gas

Applicable Compliance Method -

Compliance shall be based upon multiplying the maximum hourly heat input capacity of the emissions unit (31.46 MMBtu/hr) by the AP-42 emission factor for OC (11 lbs OC/million cubic feet) and dividing by the heat content for natural gas (1 ft<sup>3</sup>/1050 btu) to arrive at the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at the tons per year (TPY) emission rate.

- 3. Emission Limitation -

3.00 lbs/hr of NOx 13.1 TPY when burning natural gas

Applicable Compliance Method -

Compliance shall be based upon multiplying the maximum hourly heat input capacity of the emissions unit (31.46 MMBtu/hr) by the AP-42 emission factor for NOx (100 lbs NOx/million cubic feet) and dividing by the heat content for natural gas (1 ft<sup>3</sup>/1050 btu) to arrive a the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at TPY emission rate.

- 4. Emission Limitation -

2.52 lbs/hr of CO 11.0 TPY when burning natural gas

Applicable Compliance Method -

Compliance shall be based upon multiplying the maximum hourly heat input capacity of the emissions unit (31.46 MMBtu/hr) by the AP-42 emission factor for CO (84 lbs CO/million cubic feet) and dividing by the heat content for natural gas ( $1 \text{ ft}^3/1050 \text{ btu}$ ) to arrive at the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at TPY emission rate.

5. Emission Limitation -

0.020 lb/MMBtu actual heat input of PM,  
2.76 TPY when burning natural gas

Applicable Compliance Method -

Compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit ( $0.0299 \text{ mmcu.ft/hr}$ ) by the AP-42 emission factor for natural gas ( $7.6 \text{ lb/MMcu.ft}$ )(7/98) and dividing by the maximum hourly heat input capacity of the emissions unit (31.46 MMBtu/hr) to arrive at the short term emission rate in lb/MMBtu. The short term emission rate is multiplied by the maximum hourly heat input capacity of the emissions unit (31.46 MMBtu/hr) and the annual operating hours of the emissions unit (8760). This total is divided by 2000 lbs/ton to arrive at TPY emission rate.

6. Emission Limitation -

0.020 lb/MMBtu actual heat input of PM,  
2.76 TPY when burning No.2 fuel oil

For the use of No.2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (219 gal/hr) by the AP-42 emission factor for PM (2 lb/1000 gal) and dividing by the maximum hourly heat input capacity of the emissions unit (31.46 MMBtu/hr) to arrive at the short term emission rate in lb/MMBtu. The short term emission rate is multiplied by the maximum hourly heat input capacity of the emissions unit (31.46 MMBtu/hr) and the annual operating hours of the emissions unit (8760). This total is divided by 2000 lbs/ton to arrive at TPY emission rate.

7. Emission Limitation -

7.77 lbs/hr of SO<sub>2</sub>      34.0 TPY      when burning No.2 fuel oil

Applicable Compliance Method -

For the use of No.2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (219 gal/hr) by the AP-42 emission factor for SO<sub>2</sub> ( $142 * S \text{ lb/1000 gal}$ ). S is equal to the %weight of Sulfur in the fuel to arrive a the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual

operating hours of the emissions unit and divided by 2000 lbs/ton to arrive at TPY emission rate.

8. Emission Limitation -

4.38 lbs/hr of NO<sub>x</sub>      19.2 TPY      when burning No.2 fuel oil

Applicable Compliance Method -

For the use of No.2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (219 gal/hr) by the AP-42 emission factor for NO<sub>x</sub> (20 lb/1000 gal) to arrive at the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at TPY emission rate.

9. Emission Limitation -

1.10 lb/hr of CO      4.82 TPY      when burning No.2 fuel oil

Applicable Compliance Method -

For the use of No. 2 fuel oil, compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (219 gal/hr) by the AP-42 emission factor for CO (5 lb/1000 gal) to arrive at the short term emission rate in lb/hr. The short term emission rate is multiplied by the annual operating hours of the emissions unit (8760) and divided by 2000 lbs/ton to arrive at TPY emission rate.

**F. 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).

**VA Medical Center**

**PTI Application: 13-03071**

**Issued: 7/11/00**

**Facility ID: 1318004330**

**Emissions Unit ID: B006**

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**

**NEW SOURCE REVIEW FORM B**

PTI Number: 13-03071

Facility ID: 1318004330

FACILITY NAME VA Medical Center

FACILITY DESCRIPTION one 18.80 MMBtu/hr and two 31.46 MMBtu/hr natural gas/No.2 fuel oil fired boilers CITY/TWP Cleveland

SIC CODE 8062 SCC CODE 1-02-006-02 EMISSIONS UNIT ID B004

EMISSIONS UNIT DESCRIPTION 18.80 MMBtu/hr natural gas/No.2 fuel oil fired boiler

DATE INSTALLED installed 1993

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 Nat gas	0.14 lb/hr	0.61	0.02 lb/MMBtu	1.66
	No.2 oil	0.26 lb/hr	1.14	0.02 lb/MMBtu	1.66
PM <sub>10</sub>					
Sulfur Dioxide	attainment Nat gas	-	-	-	-
	No.2 oil	4.62 lb/hr	20.2	4.62 lb/hr	20.2
Organic Compounds	attainment				
Nitrogen Oxides	attainment Nat gas	1.79 lb/hr	7.84	1.79 lb/hr	7.84
	No.2 oil	2.60 lb/hr	11.4	2.60 lb/hr	11.4
Carbon MoNOxide	attainment Nat gas	1.50 lb/hr	6.57	1.50 lb/hr	6.57
	No.2 oil	0.65 lb/hr	2.85	0.65 lb/hr	2.85
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 for this emissions unit.

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: 13-03071

Facility ID: 1318004330

FACILITY NAME VA Medical Center

FACILITY DESCRIPTION one 18.80 MMBtu/hr and two 31.46 MMBtu/hr natural gas/No.2 fuel oil fired boilers CITY/TWP Cleveland

SIC CODE 8062 SCC CODE 1-02-006-02 EMISSIONS UNIT ID B005

EMISSIONS UNIT DESCRIPTION 31.46 MMBtu/hr natural gas/No. 2 fuel oil fired boiler

DATE INSTALLED installed 1993

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	Nat gas	0.23 lb/hr	1.01	0.02 lb/MMBtu	2.76
		No.2 oil	0.44 lb/hr	1.93	0.02 lb/MMBtu	2.76
PM <sub>10</sub>						
Sulfur Dioxide	attainment	Nat gas	-	-	-	-
		No.2 oil	7.77 lbs/hr	34.0	7.77 lbs/hr	34.0
Organic Compounds	attainment	Nat gas	0.33 lb/hr	1.45	0.33 lb/hr	1.45
		No.2 oil	-	-	-	-
Nitrogen Oxides	attainment	Nat gas	3.00 lbs/hr	13.1	3.00 lbs/hr	13.1
		No.2 oil	4.38 lbs/hr	19.2	4.38 lbs/hr	19.2
Carbon MoNOxide	attainment	Nat gas	2.52 lbs/hr	11.0	2.52 lbs/hr	11.0
		No.2 oil	1.10 lb/hr	4.82	1.10 lb/hr	4.82
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 for this emissions unit.

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: 13-03071

Facility ID: 1318004330

FACILITY NAME VA Medical Center

FACILITY DESCRIPTION one 18.80 MMBtu/hr and two 31.46 MMBtu/hr natural gas/No.2 fuel oil fired boilers CITY/TWP Cleveland

SIC CODE 8062 SCC CODE 1-02-006-02 EMISSIONS UNIT ID B006

EMISSIONS UNIT DESCRIPTION 31.46 MMBtu/hr natural gas/No.2 fuel oil fired boiler

DATE INSTALLED installed 1993

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	0.23 lb/hr 0.44 lb/hr	1.01 1.93	0.02 lb/MMBtu 0.02 lb/MMBtu	2.76 2.76
PM <sub>10</sub>					
Sulfur Dioxide	attainment	- 7.77 lbs/hr	- 34.0	- 7.77 lbs/hr	- 34.0
Organic Compounds	attainment	0.33 lb/hr -	1.45 -	0.33 lb/hr -	1.45 -
Nitrogen Oxides	attainment	3.00 lbs/hr 4.38 lbs/hr	13.1 19.2	3.00 lbs/hr 4.38 lbs/hr	13.1 19.2
Carbon MoNOxide	attainment	2.52 lbs/hr 1.10 lb/hr	11.0 4.82	2.52 lbs/hr 1.10 lb/hr	11.0 4.82
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NPS? 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 for this emissions unit.

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:

**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

**NEW SOURCE REVIEW FORM B**

PTI Number: 13-03071

Facility ID: 1318004330

FACILITY NAME VA Medical Center

FACILITY DESCRIPTION one 18.80 MMBtu/hr and two 31.46 MMBtu/hr natural gas/No.2 fuel oil fired boilers

CITY/TWP Cleveland

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**

<i>Please fill out the following. If the checkbox does not work, replace it with an 'X'</i>	<u>Electronic</u>	<u>Additional information File Name Convention (your PTI # plus this letter)</u>	<u>Hard Copy</u>	<u>None</u>
<u>Calculations (required)</u>	<input checked="" type="checkbox"/>	1303071c.wpd	<input type="checkbox"/>	
<u>Modeling form/results</u>	<input type="checkbox"/>	0000000s.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>PTI Application (complete or partial)*</u>	<input type="checkbox"/>	0000000a.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>BAT Study</u>	<input type="checkbox"/>	0000000b.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Other/misc.</u>	<input type="checkbox"/>	0000000t.wpd	<input type="checkbox"/>	<input checked="" 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 **ENTER PTI NUMBER HERE**

A. Source Description

B. Facility Emissions and Attainment Status

C. Source Emissions

D. Conclusion

PLEASE PROVIDE ADDITIONAL NOTES OR COMMENTS AS NECESSARY:

No modeling was necessary for these emissions units. These new boilers have replaced older less efficient boilers with higher rated capacities. This results in a emissions decrease and therefore no modeling is required.

Please complete:

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

**NEW SOURCE REVIEW FORM B**

PTI Number: 13-03071

Facility ID: 1318004330

FACILITY NAME VA Medical Center

---

FACILITY DESCRIPTION one 18.80 MMBtu/hr and two 31.46 MMBtu/hr natural gas/No.2 fuel oil fired boilers

---

CITY/TWP Cleveland

---

**Pollutant**

**Tons Per Year**

**PM**

**7.18**

**N0x**

**49.8**

**CO**

**28.6**

**S02**

**88.2**

**OC**

**2.90**