John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

5/16/2014

Certified Mail

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

Donald Albaugh
Louis Stokes Cleveland VA Medical Center
10701 EAST BLVD.
Cleveland, OH 44106

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1318004330
Permit Number: P0116723
Permit Type: Administrative Modification
County: Cuyahoga

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

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

Environmental Review Appeals Commission
77 South High Street, 17th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging 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 Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/survey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Cleveland Division of Air Quality at (216)664-2297or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,

Michael W. Ahern

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

Cc: CDAQ

FINAL

Division of Air Pollution Control
Permit-to-Install and Operate
for
Louis Stokes Cleveland VA Medical Center

Facility ID:	1318004330
Permit Number:	P0116723
Permit Type:	Administrative Modification
Issued:	5/16/2014
Effective:	5/16/2014
Expiration:	6/20/2018

Division of Air Pollution Control
Permit-to-Install and Operate
for
Louis Stokes Cleveland VA Medical Center

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Authorization

Facility ID:	1318004330
Application Number(s):	M0002752
Permit Number:	P0116723
Permit Description:	FEPTIO administrative modification for emissions units B004, B005, and B006 which are natural gas/No. 2 fuel oil-fired boilers. The number 2 fuel oil with heat content requirement of 140,000 BTUs/gallon specified in the permit is not available on the market. The heat content requirement has been removed from the permit but the recordkeeping remains the same. Also, low NOx burners have been installed in B005 and B006.
Permit Type:	Administrative Modification
Permit Fee:	$600.00
Issue Date:	5/16/2014
Effective Date:	5/16/2014
Expiration Date:	6/20/2018

Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Louis Stokes Cleveland VA Medical Center
10701 EAST BLVD.
CLEVELAND, OH 44106

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

Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Cleveland Division of Air Quality
2nd Floor
75 ErieviewPlaza
Cleveland, OH 44114
(216)664-2297

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler
Director

Authorization (continued)

Permit Number: P0116723
Permit Description: FEPTIO administrative modification for emissions units B004, B005, and B006 which are natural gas/No. 2 fuel oil-fired boilers. The number 2 fuel oil with heat content requirement of 140,000 BTUs/gallon specified in the permit is not available on the market. The heat content requirement has been removed from the permit but the recordkeeping remains the same. Also, low NOx burners have been installed in B005 and B006.

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

Group Name: Boilers

Emissions Unit ID:	**B004**
Company Equipment ID:	Tampella Power Co. Boiler #91163
Superseded Permit Number:	P0113462
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**B005**
Company Equipment ID:	Tampella Power Co. Boiler #91161-1
Superseded Permit Number:	P0113462
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**B006**
Company Equipment ID:	Tampella Power Co. Boiler #91161-2
Superseded Permit Number:	P0113462
General Permit Category andType:	Not Applicable

A. Standard Terms and Conditions

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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

Annual emissions fee.Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

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

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

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

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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

B. Facility-Wide Terms and Conditions

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

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

      (1) None.

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

      (1) B.2

2. The Ohio EPA has determined that this facility is subject to the requirements of 40 CFR Part 63 Subpart JJJJJJ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources. Although Ohio EPA has determined that this Generally Available Control Technology NESHAP (GACT) applies, at this time Ohio EPA does not have the authority to enforce this standard. Instead, U.S. EPA has the authority to enforce this standard. Please be advised, that all requirements associated with this rule are in effect and shall be enforced by U.S. EPA. For more information on the area source rules, please refer to the following U.S. EPA website: http://www.epa.gov/ttn/atw/area/arearules.html.

C. Emissions Unit Terms and Conditions

1. Emissions Unit Group -Boilers: B004,B005,B006,

EU ID	Operations, Property and/or Equipment Description
B004	31.46 mmBtu/hr natural gas/No.2 fuel oil fired boiler with low-NOx burner
B005	31.46 mmBtu/hr natural gas/No. 2 fuel oil fired boiler with low-NOx burner
B006	31.46 mmBtu/hr natural gas/No.2 fuel oil fired boiler with low-NOx burner

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

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

a. None.

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

a. b)(1)f., c)(3), d)(4), e)(4), and f)(1)f. – f)(1)h.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) PTI 13-03071 issued 7/11/2000 and modified 9/27/2007	From burning natural gas: 1.50 lbs/hrNOx and 6.57 TPY 2.52 lbs/hr CO and 11.0 TPY 0.33 lb/hr OC and 1.45 TPY 2.76TPY of PE From burning No. 2 fuel oil: 2.89 lb/hrNOx 15.8 lbs/hr of SO2 1.11 lbs/hr CO The requirements of this rule include compliance with the requirements of 3745-17-10(B)(1), and NSPS Subpart Dc.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	OAC rule 3745-17-07(A)(1)	The visible particulate emission limitation specified by this rule is less stringent than the visible particulate emission limitation established pursuant to NSPS Subpart Dc.
c.	OAC rule 3745-17-10(B)(1)	0.020 lb/mmBtu of PE
d.	OAC rule 3745-18-06(D)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to NSPS Subpart Dc.
e.	40 CFR Part 60 Subpart Dc	Sulfur content of the oil shall not exceed 0.5 weight percent. Opacity shall not exceed 20%, as a six-minute average, except for one six-minute period per hour of not more than 27% opacity.
f.	OAC rule 3745-31-05(C) Synthetic Minor status to avoid Title V	Fuel oil usage restriction see c)(2) and c)(3) below. From burning No. 2 fuel oil: 1.3 TPY NOx* 7.1 TPY SO2* 0.5 TPY CO* 2.76TPY PE * as a rolling 12-month summation of emissions

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

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

(2) The quality of the oil burned in this emissions unit shall contain a sulfur content that is not greater than 0.5 weight percent sulfur on an “as received” basis. Compliance with this specification shall be determined by using analytical results provided by the permittee or oil supplier for each shipment of oil.

(3) The maximum annual No. 2 fuel oil usage rate for this emissions unit shall not exceed 200,000 gallons of No. 2 fuel oil used, based upon a rolling, 12-month summation of the fuel usage rates.

d) 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 Cleveland Division of Air Quality.

(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:

a. the No. 2 fuel oil usage (in gallons) rate for each month; and

b. the rolling, 12-month summation of the No. 2 fuel oil usage rates.

(5) The permittee shall maintain monthly records of the following information:

a. the natural gas usage (in cubic feet) rate for each month; and

b. the rolling, 12 month summation of natural gas usage rates.

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

(2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be completed electronically and submitted via the Ohio EPA e-Business Center: Air Services by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.

(3) The permittee shall include in the annual PER information which identifies each day when a fuel other than natural gas and/or No.2 fuel oil was burned in this emissions unit.

(4) The permittee shall submit quarterly deviation (excursion) reports that identify:

a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:

i. the rolling, 12-month limitation of the No. 2 fuel oil usage rate; and

ii. anyexceedance of the allowable sulfur content (percent by weight) limitation for the No. 2 fuel oil.

b. the probable cause of each deviation (excursion);

c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and

d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Cleveland DAQ.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in b) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emission Limitation:</u>
20% opacity, as a six-minute average

<u>Applicable Compliance Method:</u>
If required, compliance shall be determined in accordance with Method 9 of 40 CFR Part 60, Appendix A.

b. <u>Emission Limitation:</u>
when burning natural gas 1.50 lbs/hr of NOx and 6.57 TPY

<u>Applicable Compliance Method:</u>
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 (50 lbsNOx/million cubic feet for Low NOx Burner) and dividing by the heat content for natural gas (1 ft^3/1050 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.

c. Emission Limitation:
2.52 lbs/hr of CO and 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/mmcf) and dividing by the heat content for natural gas (1 ft^3/1050 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.

d. Emission Limitation:
0.33 lb/hr of OC and 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/mmcf) and dividing by the heat content for natural gas (1 ft^3/1050 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.

e. Emission Limitation:
0.020 lb/mmBtu actual heat input of PE and
2.76 TPY when burning natural gas and No. 2 fuel oil

Applicable Compliance Method:
Natural Gas:

Compliance shall be based upon multiplying the maximum hourly natural gas burning capacity of the emissions unit (0.0299 mmcf/hr) by the AP-42 emission factor for natural gas (7.6 lb/mmcf) (from 7/1998) 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.

No. 2 Fuel Oil:

Compliance shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (222 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 (0.020 lb PE/mmBtu) 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 the TPY emission rate.

f. Emission Limitation:
15.8 lbs/hr of SO2 and 7.1 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 (222 gal/hr) by the AP-42 emission factor for SO2 (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 annual emission rate is determined by multiplying the AP-42 emission factor for SO2 (142*S lb/1000 gal) by the actual annual gallons of No. 2 fuel oil and divided by 2000 lbs/ton to arrive at the tons per year (TPY) emission rate.

g. Emission Limitation:
2.89 lbs/hr of NOx and 1.3 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 (222 gal/hr) by the AP-42 emission factor for NOx (20 lbs/1000 gal) and then multiply by (1 - 0.35) to account for the reduction due to the Low NOx burners to arrive at the short term emission rate in lb/hr.

Multiply the actual annual gallons of No. 2 fuel oil by the AP-42 emission factor for NOx (20 lbs/1000 gal) to determine annual emission rate, and divided by 2000 lbs/ton to arrive at the tons per year (TPY) emission rate. The actual TPY is then multiplied by AP-42 emissions reduction factor of 0.35% to determine reduction in NOx emissions due to use of low NOx burner (LNB). The reduction in NOx is then subtracted from the uncontrolled to arrive at the actual NOx emissions while using the Low NOx Burner (LNB).

h. Emission Limitation:
1.11 lb/hr of CO and 0.5 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 (222 gals/hr) by the AP-42 emission factor for CO (5 lbs/1000 gal) to arrive at the short term emission rate in lb/hr. The actual annual gallons of No. 2 fuel oil is multiplied by the AP-42 emission factor for CO (5 lbs/1000 gal) to arrive at the annual emission rate then divided by 2000 lbs/ton to arrive at the tons per year emission rate.

g) Miscellaneous Requirements

(1) This emissions unit 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.