John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

12/3/2013

Certified Mail

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

Lanny Whitaker
College of Wooster
580 East Wayne Ave.
Service Center
Wooster, OH 44691

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0285030180
Permit Number: P0115491
Permit Type: OAC Chapter 3745-31 Modification
County: Wayne

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 Ohio EPA DAPC, Northeast District Office at (330)425-9171 or 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: Ohio EPA-NEDO

FINAL

Division of Air Pollution Control
Permit-to-Install and Operate
for
College of Wooster

Facility ID:	0285030180
Permit Number:	P0115491
Permit Type:	OAC Chapter 3745-31 Modification
Issued:	12/3/2013
Effective:	12/3/2013
Expiration:	12/3/2018

Division of Air Pollution Control
Permit-to-Install and Operate
for
College of Wooster

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Authorization

Facility ID:	0285030180
Application Number(s):	A0048030, A0048947
Permit Number:	P0115491
Permit Description:	Chapter 31 modification permit for emissions unit B005 (38.5 MMBtu/hr Cleaver Brooks boiler) to restrict back-up #2 fuel oil usage.
Permit Type:	OAC Chapter 3745-31 Modification
Permit Fee:	$400.00
Issue Date:	12/3/2013
Effective Date:	12/3/2013
Expiration Date:	12/3/2018

Permit Evaluation Report (PER) Annual Date: Oct 1 - Sept 30, Due Nov 15

This document constitutes issuance to:

College of Wooster
580 East Wayne Ave.
Service Center
Wooster, OH 44691

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:

Ohio EPA DAPC, Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087
(330)425-9171

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

Scott J. Nally
Director

Authorization (continued)

Permit Number: P0115491
Permit Description: Chapter 31 modification permit for emissions unit B005 (38.5 MMBtu/hr Cleaver Brooks boiler) to restrict back-up #2 fuel oil usage.

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

Emissions Unit ID:	**B005**
Company Equipment ID:	Cleaver Brooks 38.5 MMBTU gas boiler
Superseded Permit Number:	02-4976
General Permit Category and Type:	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) None.

2. 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.

C. Emissions Unit Terms and Conditions

1. B005, Cleaver Brooks 38.5 MMBTU gas boiler

Operations, Property and/or Equipment Description:

38.5 MM Btu per hour Cleaver Brooks natural gas fired standby boiler

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)k, b)(2)m, c)(1), c)(2), d)(1), d)(2), f)(1)e and f)(1)f

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 3745-17-07(A)(1)	The visible particulate emissions from the exhaust of this emissions unit shall not exceed 20% opacity as a 6-minute, average except as provided by the rule.
b.	OAC rule 3745-17-10(B)(1)	See b)(2)a.
c.	OAC rule 3745-31-05(A)(3) as effective November 30, 2001	The requirements established pursuant to this rule are equivalent to the requirements of 40 CFR Part 60, Subpart Dc, New Source Performance Standard for Small Industrial-Commercial-Institutional Steam Generating Units. See b)(2)b and b)(2)c.
d.	OAC rule 3745-31-05(A)(3) as effective December 1, 2006	See b)(2)d.
e.	ORC 3704.03(T)	See b)(2)e.
f.	40 CFR Part 63, Subpart JJJJJJ	See b)(2)f.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
For Use of Natural Gas		
g.	OAC rule 3745-18-06	See b)(2)g.
h.	40 CFR Part 60, Subpart Dc	See b)(2)h.
For Use of No. 2 Fuel Oil		
i.	OAC rule 3745-18-06(D)	The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart Dc.
j.	40 CFR Part 60, Subpart Dc.	See b)(2)i, b)(2)j and b)(2)k.
k.	OAC rule 3745-31-05(D)	See b)(2)l, c)(1) and c)(2).

(2) Additional Terms and Conditions

a. The particulate emissions from this emissions unit shall not exceed 0.020 pound per million Btu (MMBtu) of actual heat input.

b. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limits/control measures no longer apply: b)(1)c, b)(2)b, b)(2)c and f)(1)f.

c. The particulate emissions from this emissions unit shall not exceed 3.37 tons per year.

d. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the emissions of particulate and sulfur dioxide (SO_2) from this air contaminant source since the uncontrolled potential to emit for particulate and SO_2 emissions is each less than 10 tons per year from this air contaminant source.

e. The emissions from the exhaust of this emissions unit shall not exceed the following:

i. 33.73 tons per year of nitrogen oxides (NO_X); and

ii. 13.89 tons per year of carbon monoxide (CO).

f. This is a gas-fired boiler as defined by Subpart JJJJJJ of 40 Code of Federal Regulation, Part 63. In accordance with 40 CFR §63.11195(e), this emissions unit is not subject the subpart or to any requirements in the subpart.

g. In accordance with OAC rule 3745-18-06(A), this emissions unit is exempted from this applicable rule during any calendar day in which natural gas is the only fuel burned.

h. In accordance with 40 CFR Part 60, Subpart Dc, New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units, these emissions units are subject to this regulation because construction was commenced after June 9, 1989 and the maximum design heat input capacity is greater than or equal to 10 MMBtu/hr and less than or equal to 100 MMBtu/hr.

i. In accordance with 40 CFR §60.42c(d), the permittee shall not combust any oil in this emissions unit that contains greater than 0.5 weight percent of sulfur.

j. In accordance with 40 CFR §60.43c(c), the permittee shall not cause to be discharged into the atmosphere from this emissions unit any gases that exhibit greater than 20% opacity (6-minute average), except for one 6-minute period per hour of not more than 27% opacity.

k. In accordance with 40 CFR §60.43c(d), the opacity limitation specified in section b)(2)j above shall apply at all times, except during periods of startup, shutdown or malfunction.

l. The SO_2 emissions from this emissions unit shall not exceed 2.35 tons per rolling, 12-month period.

c) Operational Restrictions

(1) The permittee shall limit the total No. 2 fuel oil usage for this emissions unit to no more than 66,000 gallons per rolling, 12-month period. The permittee may operate this emissions unit for 12 hours per year for Operator Training when burning No. 2 fuel oil at a rate of 100 gallons per hour for a total of 1,200 gallons per year. The 1,200 gallons per year for Operator Training are counted towards the 66,000 gallons per year No. 2 fuel oil usage restriction.

(2) To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the following No. 2 fuel usage and SO_2 emission level specified in the following table:

Month(s)	Maximum Allowable Cumulative Emissions of SO_2 (tons)	Maximum Allowable Cumulative No. 2 Fuel Oil Usage (gallons)
1	2.35	66,000
1-2	2.35	66,000
1-3	2.35	66,000
1-4	2.35	66,000
1-5	2.35	66,000
1-6	2.35	66,000
1-7	2.35	66,000
1-8	2.35	66,000
1-9	2.35	66,000
1-10	2.35	66,000
1-11	2.35	66,000
1-12	2.35	66,000

After the first 12 calendar months of following the issuance of this permit, compliance with the annual SO_2 emission limitation and No. 2 fuel oil usage shall be based upon a rolling, 12-month summation of the SO_2 emissions and No. 2 fuel oil usage.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain and keep monthly records of the amount of each fuel combusted in this emissions unit, in a rolling, 12-month period.

(2) The permittee shall comply with the applicable monitoring and record keeping requirements specified in 40 CFR Part 60, Subpart Dc, including sections §60.46c and §60.48c.

e) Reporting Requirements

(1) 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. 2.35 tons SO_2 emissions per rolling, 12-month period; and

ii. 66,000 gallons of No. 2 fuel oil per rolling, 12-month period.

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 Director (the appropriate District Office or local air agency).

(2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The PER shall cover a reporting period of no more than 12 months for each air contaminant source identified in this permit.

(3) The permittee shall comply with the applicable reporting requirements specified in 40 CFR Part 60, Subpart Dc, including section §60.48c.

f) Testing Requirements

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

a. Emission Limitation:

The visible particulate emissions from the exhaust of this emissions unit shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

The permittee shall not cause to be discharged into the atmosphere from this emissions unit any gases that exhibit greater than 20% opacity (6-minute average), except for one 6-minute period per hour of not more than 27% opacity.

Applicable Compliance Method:

If required, compliance shall be demonstrated through visible particulate emission observations performed in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

b. Emission Limitation:

The particulate emissions from this emissions unit shall not exceed 0.020 pound per MMBtu of actual heat input.

Applicable Compliance Method:

Compliance with the particulate emission limitation shall be demonstrated based upon the following equation:

$E_{PE} = (EF_{PE})/(HC)$

where:

E_{PE} = particulate emission, in pounds per MMBtu actual heat input;

EF_{PE} = particulate emission factor, 7.6 lbs/10^6 ft^3 of natural gas burned, obtained from AP-42 "Compilation of Air Pollutant Emission Factors", 5th Edition, Section 1.4, Table 1.4-2 (7/98); and

HC = heat content for natural gas, 1,000 btu/ft^3.

c. Emission Limitation:

The particulate emissions from this emissions unit shall not exceed 3.37 tons per year.

Applicable Compliance Method:

The tons per year particulate emission limitation was developed by multiplying the short-term emission limitation of 0.020 lb/MMBtu of particulate by the maximum heat input for this emissions unit (38.5 MMBtu/hr) and maximum annual hours of operation (8,760 hours), and then dividing by 2,000 pounds per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitations.

d. Emission Limitations:

The emissions from the exhaust of this emissions unit shall not exceed the following:

i. 33.73 tons per year of NO_X; and

ii. 13.89 tons per year of CO.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the following equation:

E = (EF)(F)(2,000 lbs/ton)

where:

E = annual emissions, in tons per year;

EF = emission factor, obtained from AP-42 "Compilation of Air Pollutant Emission Factors", 5th Edition, Section 1.4, Table 1.4-1 (7/98) for small boiler (< 100 MMBtu/hr):

EF_{CO} = 84 lb/10^6 ft^3;

EF_{NOx} = 100 lb/10^6 ft^3; and

F = annual natural gas usage, in 10^6 cubic foot per year, as recorded in d)(1).

e. Emission Limitation:

The SO_2 emissions from this emissions unit shall not exceed 2.35 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the following equation:

$E_{SO2} = (EF_{so2})(S)(OF)/(2{,}000 \text{ lbs/ton})$

where:

E_{SO2} = annual SO_2 emissions rate, in tons per year;

EF_{SO2} = 142S lb/10^3 gal = SO_2 emission factor, obtained from AP-42 "Compilation of Air Pollutant Emission Factors", 5th Edition, Section 1.3, Table 1.3-1 (5/10) for No.2 oil fired boiler;

S = % of sulfur content of the No. 2 fuel oil, maximum 0.5%; and

OF = annual No. 2 fuel oil usage, in 10^3 gallons per year, as recorded in d)(1).

f. Emission Limitation:

The permittee shall limit the total No. 2 fuel oil usage for this emissions unit to no more than 66,000 gallons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(1).

g. Emission Limitation:

The permittee shall not combust any oil in this emissions unit that contains greater than 0.5 weight percent of sulfur.

Applicable Compliance Method:

In accordance with 40 CFR §60.42c(h)(1), compliance with the No. 2 fuel oil sulfur limit shall be demonstrated based upon a certification from the fuel supplier, as described under 40 CFR §60.48c(f):

i. the name of the oil supplier;

ii. a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR §60.41c; and

iii. the sulfur content or maximum sulfur content of the oil.

g) Miscellaneous Requirements

(1) None.