



State of Ohio Environmental Protection Agency

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P.O. Box 1049
Columbus, OH 43216-1049

6/3/2009

Andy Bishop
KALMBACH FEEDS, INC.
7148 SR 199 N
Upper Sandusky, OH 43351

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0388010049
Permit Number: P0104601
Permit Type: OAC Chapter 3745-31 Modification
County: Wyandot

Certified Mail

| | |
|-----|----------------------|
| No | TOXIC REVIEW |
| No | PSD |
| No | SYNTHETIC MINOR |
| No | CEMS |
| No | MACT |
| Yes | NSPS |
| No | NESHAPS |
| No | NETTING |
| No | MAJOR NON-ATTAINMENT |
| No | MODELING SUBMITTED |

Dear Permit Holder:

Enclosed please find a final 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.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.state.oh.us/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of \$70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Northwest District Office. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.state.oh.us/dapc.

Sincerely,

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

Cc: Ohio EPA-NWDO

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director



**State of Ohio Environmental Protection Agency
Division of Air Pollution Control**

FINAL

**Air Pollution Permit-to-Install and Operate
for
KALMBACH FEEDS, INC.**

Facility ID: 0388010049
Permit Number: P0104601
Permit Type: OAC Chapter 3745-31 Modification
Issued: 6/3/2009
Effective: 6/3/2009
Expiration: 2/25/2014



Air Pollution Permit-to-Install and Operate
for
KALMBACH FEEDS, INC.

Table of Contents

Authorization 1

A. Standard Terms and Conditions 3

 1. What does this permit-to-install and operate ("PTIO") allow me to do?..... 4

 2. Who is responsible for complying with this permit? 4

 3. What records must I keep under this permit? 4

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

 5. When does my PTIO expire, and when do I need to submit my renewal application? 4

 6. What happens to this permit if my project is delayed or I do not install or modify my source? 5

 7. What reports must I submit under this permit? 5

 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? 5

 9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?... 5

 10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report? 6

 11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located? 6

 12. What happens if one or more emissions units operated under this permit is/are shut down permanently? 6

 13. Can I transfer this permit to a new owner or operator? 6

 14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"? 7

 15. What happens if a portion of this permit is determined to be invalid? 7

B. Facility-Wide Terms and Conditions 8

C. Emissions Unit Terms and Conditions 10

 1. B001, Boiler 11



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: P0104601
Facility ID: 0388010049
Effective Date: 6/3/2009

Authorization

Facility ID: 0388010049
Application Number(s): A0037128
Permit Number: P0104601
Permit Description: Chapter 31 modification to 12.6 mmBtu/hr boiler allowing the use of propane fuel in addition to no. 2 fuel oil.
Permit Type: OAC Chapter 3745-31 Modification
Permit Fee: \$200.00
Issue Date: 6/3/2009
Effective Date: 6/3/2009
Expiration Date: 2/25/2014
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

KALMBACH FEEDS, INC.
7148 SR 199 N
PO BOX 38
UPPER SANDUSKY, OH 43351

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

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

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

Chris Korleski
Director



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0104601

Facility ID: 0388010049

Effective Date: 6/3/2009

Authorization (continued)

Permit Number: P0104601

Permit Description: Chapter 31 modification to 12.6 mmBtu/hr boiler allowing the use of propane fuel in addition to no. 2 fuel oil.

Permits for the following emissions unit(s) or groups of emissions units are in this document as indicated below:

| | |
|-----------------------------------|----------------|
| Emissions Unit ID: | B001 |
| Company Equipment ID: | Boiler |
| Superseded Permit Number: | P0087988 |
| General Permit Category and Type: | Not Applicable |



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0104601

Facility ID: 0388010049

Effective Date: 6/3/2009

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 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 Ohio EPA DAPC, Northwest District Office 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 being permanently shut down without first applying for and obtaining a permit pursuant to 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



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0104601

Facility ID: 0388010049

Effective Date: 6/3/2009

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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0104601

Facility ID: 0388010049

Effective Date: 6/3/2009

B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0104601

Facility ID: 0388010049

Effective Date: 6/3/2009

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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0104601

Facility ID: 0388010049

Effective Date: 6/3/2009

C. Emissions Unit Terms and Conditions



1. B001, Boiler

Operations, Property and/or Equipment Description:

12.6 MMBtu/hour no. 2 fuel oil and propane-fired 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)b.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(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. 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) | 6.39 lbs sulfur dioxide (SO ₂)/hour, 25.00 tons SO ₂ /year See b)(2)a., b)(2)c. and b)(2)d. |
| b. | OAC rule 3745-31-05(E) | 25.00 tons SO ₂ /year See b)(2)e. and b)(2)f. |
| c. | OAC rule 3745-17-10(B)(1) | Particulate emissions shall not exceed 0.020 lb PE/mmBtu |
| d. | OAC rule 3745-17-07(A) | Visible PE shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule |
| e. | OAC rule 3745-18-06(D) | See b)(2)b. |
| f. | 40 CFR Part 60, Subpart Dc | Monitoring, Record keeping and Reporting Requirements [See d)(3) and e)(2)] #2 Fuel Oil Content Restrictions [See c)(3)] |



(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A) and 40 CFR Part 60, Subpart Dc.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. The “Best Available Technology (BAT)” requirements under OAC rule 3745-31-05(A)(3) are not applicable to the air contaminant(s) emitted from this emissions unit. BAT is only applicable to emissions of an air contaminant or precursor of an air contaminant for which a national ambient air quality standard (NAAQS) has been adopted under the Clean Air Act. Emissions unit B001 emits particulate emissions (also referred to as total suspended particulate or particulate matter), which is an air contaminant that does not involve an established NAAQS.
- d. Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3)(a) do not apply to emissions of volatile organic compounds, carbon monoxide, nitrogen oxides or particulate matter less than or equal to 10 microns (PM10) from this emissions unit since the calculated annual emissions for these pollutants are less than ten tons per year.

All particulate emissions are PM10.

- e. The permittee has requested a state-only enforceable restriction of 25 tons SO₂/year in order to avoid ½ increment consumption modeling for SO₂. This annual emission rate is based on a throughput restriction of 702,450 gallons of number 2 fuel oil.
- f. The annual SO₂ emission rate for this emission unit is based on the potential to emit for this emission unit taking into consideration an annual fuel usage restriction of 702,450 gallons of number 2 fuel oil. Emissions of SO₂ from the use of propane as a secondary fuel source will be minimal. Provided the annual fuel usage restriction for number 2 fuel oil is not exceeded, it will be impossible for B001 to exceed 25 tons of SO₂.

c) Operational Restrictions

- (1) The permittee shall burn only number 2 fuel oil or propane in this emissions unit.
- (2) The maximum number 2 fuel oil usage rate in this emissions unit shall not exceed 702,450 gallons per year.
- (3) The permittee shall burn number 2 fuel oil that contains no greater than 0.5 weight percent sulfur.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than number 2 fuel oil or propane, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.



- (2) The permittee shall collect and record the following information for each month for this emissions unit:
 - a. the quantity of number 2 fuel oil combusted, in gallons;
 - b. the annual, year-to-date, quantity of number 2 fuel oil combusted (sum of a for each calendar month to date from January to December);
 - (3) For each shipment of oil, the permittee shall obtain a fuel supplier certification which includes the following information:
 - a. the name of the oil supplier; and
 - b. a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR Part 60, section 60.41c.
- e) Reporting Requirements
- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.
 - (2) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than number two fuel oil or propane was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
 - (3) The permittee shall submit semi-annual reports to the Ohio EPA, Northwest District Office. The semi-annual report shall include copies of the fuel supplier certifications required in section a)(3). The semi-annual report shall include a certified statement signed by the permittee that the records of the fuel supplier certifications submitted represent all of the fuel combusted during the reporting periods of January 1 through June 30 and July 1 through December 31.
- The initial quarterly report shall be postmarked by the 30th day of the third month following the first shipment of oil received. Each subsequent quarterly report shall be postmarked by the 30th day following the end of the reporting period.
- f) Testing Requirements
- (1) Compliance with the emission limitations in section b)(1) of the Terms and Conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation:
6.39 pounds SO₂/hour

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly emission limitations by multiplying the maximum heat input to the boiler (12.6 MMBtu/hour which



equates to 90 gallons per hour) by the following AP-42 emission factors from Chapter 1, Table 1.3-1 and Table 1.3-3 (9/98):

$SO_2 = (142 \text{ lb per } 1000 \text{ gallons})S$ where S is the sulfur content of the fuel oil in weight percent

If required, compliance shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 6.

- b. Emission Limitation:
25.00 tons SO_2 /year

Applicable Compliance Method:

The permittee shall demonstrate compliance with the yearly emission limitations by utilizing the following equation:

$$E = [(SO_2 \text{ emission factor for \#2 fuel oil}) \times (\text{Annual throughput of \#2 fuel oil}) \times (\text{ton}/2000 \text{ lbs})] + [(SO_2 \text{ emission factor for propane}) \times (\text{maximum hourly fuel throughput}) \times (\text{annual hours of propane usage}) \times (\text{ton}/2000 \text{ lbs})]$$

Where:

SO_2 emission factor for #2 fuel oil = AP-42 emission factor for #2 fuel oil as identified in f)(1)a.

Annual throughput of #2 fuel oil = annual #2 fuel oil usage, in gallons/year, not to exceed 702,450 gallons

SO_2 emission factor for propane = (1.0 lb per 1000 gallons)S where S is the sulfur content of the propane in weight percent (AP-42, Chapter 1.5, Table 1.5-1 (7/08))

Maximum hourly fuel throughput = 135 gallons/hour

Annual hours of propane usage = ≤ 955 hours/year

Therefore, provided compliance is shown with the annual throughput of #2 fuel oil, compliance will also be shown with the annual emission limitation.

- c. Emission Limitation:
1.01 lbs SO_2 /MMBtu
0.014 lbs PE/MMBtu

Applicable Compliance Method:

Compliance with the lbs/MMBtu emission limitations shall be demonstrated by multiplying the following emission factors from AP-42 from Chapter 1, Table 1.3-1 and Table 1.3-3 (9/98) dividing by a heat content of 0.14 mmBtu/gal:

$SO_2 = (142 \text{ lb per } 1000 \text{ gallons})S$ where S is the sulfur content of the fuel oil in weight percent



PE = 2 lb per 1000 gallons

If required, the permittee shall demonstrate compliance by emission testing in accordance with the following approved US EPA test methods:

SO₂: Methods 1-4 and 6

PE: Methods 1-5

d. Emission Limitation:

Visible particulate emissions shall not exceed 20 percent opacity as a six-minute average except as provided by rule.

Applicable Compliance Method:

If required compliance shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1).

g) **Miscellaneous Requirements**

- (1) The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements for 40 CFR Part 60 are also federally enforceable.