



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

8/17/2010

Mr. Dan Lake
The Timken Company Bucyrus Bearing Plant
1835 Dueber Ave., S.W.
GNE-02
Canton, OH 44706

RE: DRAFT AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0317010168
Permit Number: P0106676
Permit Type: Renewal
County: Crawford

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
Yes	SYNTHETIC MINOR TO AVOID TITLE V
Yes	FEDERALLY ENFORCABLE PTIO (FEPTIO)

Dear Permit Holder:

A draft of the Ohio Administrative Code (OAC) Chapter 3745-31 Air Pollution Permit-to-Install and Operate (PTIO) for the referenced facility has been issued for the emissions unit(s) listed in the Authorization section of the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the permit. A public notice will appear in the Ohio EPA Weekly Review and the local newspaper, Bucyrus Telegraph-Forum. A copy of the public notice and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Issued Air Pollution Control Permits" link. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
122 South Front Street
Columbus, Ohio 43215

and Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on issuing a final permit-to-install will be made after consideration of comments received and oral testimony if a public hearing is conducted. Any permit fee that will be due upon issuance of a final Permit-to-Install is indicated in the Authorization section. Please do not submit any payment now. If you have any questions, please contact Ohio EPA DAPC, Northwest District Office at (419)352-8461.

Sincerely,

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

Cc: U.S. EPA Region 5 *Via E-Mail Notification*
Ohio EPA-NWDO; Canada

PUBLIC NOTICE
Issuance of Draft Air Pollution Permit-To-Install and Operate
The Timken Company Bucyrus Bearing Plant

Issue Date: 8/17/2010

Permit Number: P0106676

Permit Type: Renewal

Permit Description: Renewal FEPTIO for two 42 mmBTU/hr natural gas/number 2 oil fired boilers, B001 and B002.

Facility ID: 0317010168

Facility Location: The Timken Company Bucyrus Bearing Plant
2325 E. Mansfield Street,
Bucyrus, OH 44820

Facility Description: Ball and Roller Bearing Manufacturing

Chris Korleski, Director of the Ohio Environmental Protection Agency, 50 West Town Street, Columbus Ohio has issued a draft action of an air pollution control, federally enforceable permit-to-install and operate (PTIO) for the facility at the location identified above on the date indicated. Comments concerning this draft action, or a request for a public meeting, must be sent in writing no later than thirty (30) days from the date this notice is published. All comments, questions, requests for permit applications or other pertinent documentation, and correspondence concerning this action must be directed to Donald Waltermeyer at Ohio EPA DAPC, Northwest District Office, 347 North Dunbridge Road, Bowling Green, OH 43402 or (419)352-8461. The permit can be downloaded from the Web page: www.epa.ohio.gov/dapc

Ohio

**Environmental
Protection Agency**

DRAFT

**Division of Air Pollution Control
Permit-to-Install and Operate
for
The Timken Company Bucyrus Bearing Plant**

Facility ID: 0317010168
Permit Number: P0106676
Permit Type: Renewal
Issued: 8/17/2010
Effective: To be entered upon final issuance
Expiration: To be entered upon final issuance



Division of Air Pollution Control
Permit-to-Install and Operate
for
The Timken Company Bucyrus Bearing Plant

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Authorization

Facility ID: 0317010168
Application Number(s): A0039894
Permit Number: P0106676
Permit Description: Renewal FEPTIO for two 42 mmBTU/hr natural gas/number 2 oil fired boilers, B001 and B002.
Permit Type: Renewal
Permit Fee: \$0.00 *DO NOT send payment at this time, subject to change before final issuance*
Issue Date: 8/17/2010
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Permit Evaluation Report (PER) Annual Date: To be entered upon final issuance

This document constitutes issuance to:

The Timken Company Bucyrus Bearing Plant
2325 E. Mansfield Street
Bucyrus, OH 44820

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



Authorization (continued)

Permit Number: P0106676
Permit Description: Renewal FEPTIO for two 42 mmBTU/hr natural gas/number 2 oil fired boilers, B001 and B002.

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

Group Name: 42 mmBTU/hr Boiler

Table with 2 columns: Emissions Unit ID, Company Equipment ID, Superseded Permit Number, General Permit Category and Type. Rows include B001 (No. 1 Boiler) and B002 (No. 2 Boiler).

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. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. 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 submitting¹ 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 emissions 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

¹ Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

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 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

Draft Permit-to-Install and Operate

The Timken Company Bucyrus Bearing Plant

Permit Number: P0106676

Facility ID: 0317010168

Effective Date: To be entered upon final issuance

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.

C. Emissions Unit Terms and Conditions

1. Emissions Unit Group - 42 mmBTU/hr Boiler: B001, B002,

EU ID	Operations, Property and/or Equipment Description
B001	42 mmBTU/hr Natural Gas and No. 2 Oil Fired Boiler
B002	42 mmBTU/hr Natural Gas and No. 2 Oil 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)a., b)(2)a., c)(2), c)(3), d)(2), e)(2), and f)(1)f.

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(D)	6.0 lb nitrogen oxide (NO _x)/hr 3.46 lb carbon monoxide (CO)/hr 0.23 lb volatile organic compound (VOC)/hr See b)(2)a. and b)(2)b.
b.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a six-minute average, except as provided by rule
c.	OAC rule 3745-17-10(B)(1)	0.020 lb PE/mmBTU of actual heat input
d.	OAC rule 3745-18-23(B)	9.6 lb sulfur dioxide (SO ₂)/mmBTU of actual heat input

(2) Additional Terms and Conditions

- a. The annual emissions from emissions units B001 and B002, combined, shall not exceed the following limitations, based on the summations of the monthly emission rates:

NO_x: 63.08 tons per rolling, 12-month period
PE: 5.43 tons per rolling, 12-month period
CO: 37.35 tons per rolling, 12-month period
VOC: 2.75 tons per rolling, 12-month period
SO₂: 94.30 tons per rolling, 12-month period

- b. The hourly NO_x, CO, and VOC emission limitation were established for PTI purposes to reflect the emissions unit's potential to emit. Therefore, it is not necessary to develop additional monitoring, record keeping, and/or reporting requirements to ensure compliance with these emission limitations.

c) Operational Restrictions

- (1) The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable SO₂ emission limitation of 9.6 lb/mmBTU.
- (2) The maximum annual natural gas usage rate for emissions unit B001 and B002 combined, shall not exceed 731.5 million cubic feet per rolling, 12-month period, based upon the summation of the monthly natural gas usage rates.
- (3) The maximum annual No. 2 fuel oil usage rate for emissions unit B001 and B002 combined, shall not exceed 2,650,000 gallons per rolling, 12-month period, based upon the summation of the monthly natural gas usage rates.
- (4) The permittee shall burn only natural gas and/or No. 2 fuel oil in this emissions unit.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lb/mmBTU). The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with Method 19 of 40 CFR, Part 60, Appendix A, or the appropriate ASTM methods (such as ASTM methods D240 and D4292), or equivalent methods as approved by the director.

- (2) The permittee shall calculate and maintain monthly records of the following information for emissions units B001 and B002, combined:

Effective Date: To be entered upon final issuance

- a. The total amount of natural gas combusted in mm cubic feet;
- b. The total amount of No. 2 fuel oil combusted, in gallons;
- c. The rolling, 12-month natural gas usage rate, in mm cubic feet;
- d. The rolling, 12-month No. 2 fuel oil usage rate, in gallons;
- e. The calculated SO₂ emission rate, in lb/mmBTU, of each shipment of oil received during that calendar month [See d)(1) above]*;
- f. The total NO_x, SO₂, PE, CO and VOC emissions, in tons [See f)(1)f. for calculation methodology]; and
- g. The rolling, 12-month SO₂, NO_x, PE, CO, and VOC emissions, in tons.

*Calculating SO₂ emissions when combusting natural gas (in lb/mmBTU) is not necessary because SO₂ emissions are negligible due to the inherently low sulfur content of natural gas.

- (3) 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.

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 quarterly deviation (excursion) reports that identify the following exceedances:
 - a. The rolling, 12-month natural gas usage limitation of 731.5 mm cubic feet;
 - b. The rolling, 12-month No. 2 fuel oil usage limitation of 2,650,000 gallons; and
 - c. The rolling, 12-month NO_x, SO₂, PE, CO and VOC emissions of 63.08 tons, 94.3 tons, 5.43 tons, 37.35 tons, and 2.75 tons, respectively.
- (3) The permittee shall notify the Director in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rates from Section b)(1)d. above. The notification shall include a copy of such record and shall be sent to the Director within 30 days after the deviation occurs.

These reports shall be submitted in accordance with Part 1-Standard Terms and Conditions of this permit.

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:
6.0 lb NO_x/hr

Applicable Compliance Method:

When burning No. 2 fuel oil, compliance with the hourly allowable NO_x emission limitation shall be developed by multiplying the emission factor from AP-42 Section 1.3 (5/10) of 20 lb/1000 gallons by the maximum hourly No. 2 fuel oil consumption rate of 307.1 gallons.

When burning natural gas, compliance with the hourly allowable NO_x emission limitation shall be developed by multiplying the emission factor from AP-42 Section 1.4 (7/98) of 100 lb/mm cu. ft of natural gas by the maximum hourly natural gas consumption rate of 41748 cu. ft.

If required, the permittee shall demonstrate compliance with the hourly allowable NO_x emission limitation by testing in accordance with Methods 1-4 and 7 of 40, CFR, Part 60, Appendix A.

b. Emission Limitation:
3.46 lb CO/hr

Applicable Compliance Method:

When burning No. 2 fuel oil, compliance with the hourly allowable CO emission limitation shall be developed by multiplying the emission factor from AP-42 Section 1.3 (5/10) of 5 lb/1000 gallons by the maximum hourly No. 2 fuel oil consumption rate of 307.1 gallons.

When burning natural gas, compliance with the hourly allowable CO emission limitation shall be developed by multiplying the emission factor from AP-42 Section 1.4 (7/98) of 84 lb/mm cu. ft of natural gas by the maximum hourly natural gas consumption rate of 41748 cu. ft.

If required, the permittee shall demonstrate compliance with the hourly allowable CO emission limitation by testing in accordance with Methods 1-4 and 10 of 40, CFR, Part 60, Appendix A.

c. Emission Limitation:
0.23 lb VOC/hr

Applicable Compliance Method:

When burning No. 2 fuel oil, compliance with the hourly allowable VOC emission limitation shall be developed by multiplying the emission factor from AP-42 Section 1.3 (5/10) of 0.556 lb/1000 gallons by the maximum hourly No. 2 fuel oil consumption rate of 307.1 gallons.

When burning natural gas, compliance with the hourly allowable VOC emission limitation shall be developed by multiplying the emission factor from AP-42 Section 1.4 (7/98) of 5.5 lb/mm cu. ft of natural gas by the maximum hourly natural gas consumption rate of 41748 cu. ft.

If required, the permittee shall demonstrate compliance with the hourly allowable VOC emission limitation by testing in accordance with Methods 1-4 and 18, 25 or 25A of 40, CFR, Part 60, Appendix A.

- d. Emission Limitation:
0.020 lb PE/mmBTU of actual heat input

Applicable Compliance Method:

When burning No. 2 fuel oil, compliance with the hourly allowable PE emission limitation shall be developed by multiplying the emission factor from AP-42 Section 1.3 (5/10) of 2 lb/1000 gallons by the maximum hourly No. 2 fuel oil consumption rate of 307.1 gallons.

When burning natural gas, compliance with the hourly allowable PE emission limitation shall be developed by multiplying the emission factor from AP-42 Section 1.4 (7/98) of 7.6 lb/mm cu. ft of natural gas by the maximum hourly natural gas consumption rate of 41748 cu. ft.

If required, the permittee shall demonstrate compliance with the hourly allowable PE emission limitation by testing in accordance with OAC rule 3745-17-03(B)(9).

- e. Emission Limitation:
9.6 lbs SO₂/mmBTU of actual heat input

Applicable Compliance Method:

When burning No. 2 fuel oil, compliance with the SO₂ emission limitation above shall be demonstrated based on the record keeping requirements in d)(1) of this permit, and the use of the equation contained in OAC rule 3745-18-04(F)(2) to calculate the actual SO₂ emission rate for each oil shipment received during the calendar month.

When firing natural gas, it is not necessary to demonstrate compliance with the SO₂ emission limitation above due to the negligible percent sulfur, by weight, in the fuel.

If required, compliance with the SO₂ emission limitation above shall be demonstrated based upon the methods and procedures specified in OAC rule 3745-18-04(E)(1).

- f. Emission Limitation:
94.30 tons SO₂ per rolling, 12-month period
63.08 tons NO_x per rolling, 12-month period
5.43 tons PE per rolling, 12-month period
37.35 tons CO per rolling, 12-month period
2.75 tons VOC per rolling, 12-month period

Applicable Compliance Method:

Compliance with the emission limitations above shall be demonstrated through the record keeping requirements established in d)(2) of this permit, and shall be developed as follows:

$$E = [(A \times C) + (B \times D)] \times \text{ton}/2000 \text{ lb}$$

Where,

E= emission rate of pollutant, in tons per rolling, 12-month period

A= natural gas usage (mm cu. ft/rolling, 12-month period) [See d)(2)c.]

C= USEPA AP-42, Section 1.4 emission factor for natural gas (lb/mm cu. ft)

B= No. 2 fuel oil usage (gallons/rolling, 12-month period) [See d)(2)d.]

D= USEPA AP-42, Section 1.3 emission factor for No. 2 fuel oil (lb/gallon)

g. Emission Limitation:

Visible PE shall not exceed 20% opacity, as a six-minute average, except as provided by rule

Applicable Compliance Method:

Compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

g) Miscellaneous Requirements

(1) None.