



State of Ohio Environmental Protection Agency

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

12/14/2009

JEFF FREEMONT
BASF CORPORATION
PO BOX 2040
STREETSBORO, OH 44241

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1667080014
Permit Number: P0105773
Permit Type: OAC Chapter 3745-31 Modification
County: Portage

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
No	MACT
No	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. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.ohio.gov/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 Akron Regional Air Quality Management District. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.ohio.gov/dapc.

Sincerely,

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

Cc: ARAQMD

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
BASF CORPORATION**

Facility ID: 1667080014
Permit Number: P0105773
Permit Type: OAC Chapter 3745-31 Modification
Issued: 12/14/2009
Effective: 12/14/2009
Expiration: 12/14/2019



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
for
BASF CORPORATION

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State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: P0105773
Facility ID: 1667080014
Effective Date: 12/14/2009

Authorization

Facility ID: 1667080014
Application Number(s): A0038758
Permit Number: P0105773
Permit Description: Upgrade the natural gas-fired rotary iron kiln with a high efficiency 15 million Btu per hour burner which replaces the current 5 million Btu per hour unit.
Permit Type: OAC Chapter 3745-31 Modification
Permit Fee: \$1,000.00
Issue Date: 12/14/2009
Effective Date: 12/14/2009
Expiration Date: 12/14/2019
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

BASF CORPORATION
9658 STATE ROUTE #43
STREETSBORO, OH 44240

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:

Akron Regional Air Quality Management District
146 South High Street, Room 904
Akron, OH 44308
(330)375-2480

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: P0105773
Facility ID: 1667080014
Effective Date: 12/14/2009

Authorization (continued)

Permit Number: P0105773
Permit Description: Upgrade the natural gas-fired rotary iron kiln with a high efficiency 15 million Btu per hour burner which replaces the current 5 million Btu per hour unit.

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

Emissions Unit ID:	P901
Company Equipment ID:	Rotary Iron Kiln, Cast Iron Aggregate Processing
Superseded Permit Number:	
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: P0105773

Facility ID: 1667080014

Effective Date: 12/14/2009

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 Akron Regional Air Quality Management District 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 change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0105773

Facility ID: 1667080014

Effective Date: 12/14/2009

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: P0105773

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Effective Date: 12/14/2009

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: P0105773

Facility ID: 1667080014

Effective Date: 12/14/2009

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: P0105773

Facility ID: 1667080014

Effective Date: 12/14/2009

C. Emissions Unit Terms and Conditions



1. P901, Rotary Iron Kiln, Cast Iron Aggregate Processing

Operations, Property and/or Equipment Description:

Cast iron chips dried in a rotary iron kiln with a natural gas-fired burner rated at 15 million Btu per hour heat input, which replaces a 5 million Btu per hour unit. Particulate emissions (PE) from the rotary kiln controlled by a cyclone/settling chamber followed by a wet scrubber. Cast iron aggregate processed by crushing and screening, and transferred to blending operation with sand, cement, and fly ash. PE from the cast iron aggregate processing, transfer, and the blending operation controlled by a series of baghouses (fabric filters). Uncontrolled and unrestricted emissions of nitrogen oxides (NOx), carbon monoxide (CO), volatile organic compounds (VOC), and sulfur dioxide (SO2) are each under 10 tons per year.

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. None.

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 3745-17-07(A)(1)	Visible particulate emissions (PE) from each stack serving this emissions unit shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
b.	OAC rule 3745-17-07(B)(11)(e)	The visible PE limitations specified in paragraphs (B)(1) to (B)(9) of OAC rule 3745-17-07 shall not apply to any fugitive dust source which is not located within the geographical areas specified in appendix A of rule 3745-17-08 of the Administrative Code, unless the director, in accordance with paragraph (A)(2) of rule 3745-17-08 of the Administrative



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Code, requires the permittee to submit and implement a control program which will bring the fugitive dust source into compliance with the requirements of paragraph (B) of rule 3745-17-08 of the Administrative Code.
c.	OAC rule 3745-17-08(A)(1)	The emissions unit in this permit is a fugitive dust source, but is not located within an "Appendix A" area, as identified in OAC rule 3745-17-08. Therefore, unless pursuant to OAC rule 3745-17-08(A)(2), that in the director's judgment, probable cause exists to believe that such source is causing or contributing to a violation of rule 3745-15-07 or 3745-17-02 of the Administrative Code, the requirements of OAC rules 3745-17-08(B) and 3745-17-07(B) are not applicable to this emissions unit.
d.	OAC rule 3745-17-11(B)	PE from the wet scrubber stack shall not exceed 8.0 pounds per hour (based upon Table I, and a process weight at maximum capacity of 5400 pounds per hour, since Fig II is not applicable because the uncontrolled mass rate of emission cannot be ascertained.)
e.	OAC rule 3745-18-06	This emissions unit is exempt from the sulfur dioxide emission limit requirements of OAC rule 3745-18-06 because, based upon the application, natural gas is the only fuel burned and the materials processed do not contain sulfur or sulfur compounds in measurable quantities.
f.	OAC rule 3745-31-05(A)(3)(a)(ii)	<p>The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the NOx, SO₂, VOC, CO emissions from this air contaminant source since the uncontrolled potential to emit for NOx, SO₂, VOC, CO is each less than 10 tons/year.</p> <p>The BAT requirements under OAC rule 3745-31-05(A)(3)(a) are not applicable to the PE emitted from this emissions unit (PE is emitted in the form of filterable PM10 emissions). BAT is only applicable to emissions of an air contaminant or precursor of an air contaminant for which</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		a national ambient air quality standard (NAAQS) has been adopted under the Clean Air Act. PE (also referred to as total suspended particulate or particulate matter) is an air contaminant without an established NAAQS.

(2) Additional Terms and Conditions

- a. The above hourly PE emissions limit from OAC rule 3745-17-11(B) is greater than the potential to emit for this emissions unit. Therefore, no monitoring, record keeping, or reporting requirements are necessary to ensure ongoing compliance with this emission limit.
- b. The permittee shall apply for and, if required, obtain a modification to this permit or obtain a new final permit-to-install and operate (PTIO) prior to making any change to equipment, change in fuels burned, change in the method of operation, or any other change of the emissions unit in this permit that results in an increase in the allowable emissions or results in an increase in emissions of greater than the de minimis levels in OAC rule 3745-15-05 of any type of air contaminant not previously emitted.
- c. In order to reduce the risk of causing an air pollution nuisance from emissions of fugitive dust, as prohibited by OAC rule 3745-15-07, the permittee shall employ the following emissions control technology on this emissions unit:
 - i. a properly installed and operated cyclone/settling chamber in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control PE from the rotary iron kiln;
 - ii. a properly installed and operated wet scrubber in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control PE from the rotary iron kiln;
 - iii. properly installed and operated hoods, ducts, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent PE to the cyclone/settling chamber and wet scrubber control systems;
 - iv. properly installed and operated fabric filters, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately control PE from the cast iron aggregate processing and transfer, and the sand, cement, fly ash blending operation; and
 - v. properly installed hoods, ducts, fans, and other equipment, in accordance with the manufacturer's recommendations, instructions, and operating manual(s), to adequately enclose, contain, capture, and vent PE to the fabric filters.



- d. If the operation of this emissions unit causes, or is suspected of causing, an air pollution nuisance from the emission of any air contaminant, as identified and prohibited by OAC rule 3745-15-07, or compliance with other applicable emissions control requirements is unknown or not met, then the permittee shall be required to comprehensively quantify emissions of all air contaminants from this emissions unit, in addition to the stack testing requirements of the "f) Testing Requirements" section below, install and employ parametric monitoring equipment to monitor, record and report pressure drops across the wet scrubber and fabric filters serving this emissions unit, as well as the water flow rate through the wet scrubber, and the pH of the scrubber water, and, if necessary, install and employ additional emissions control measures and/or technology to achieve and maintain ongoing compliance with applicable air pollution control requirements.
- c) **Operational Restrictions**
 - (1) The permittee shall burn only natural gas in this emissions unit.
 - (2) The permittee shall employ the cyclone/settling chamber, the wet scrubber, and the fabric filters serving this emissions unit at all times this emissions unit is in operation.
 - d) **Monitoring and/or Recordkeeping Requirements**
 - (1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit, as well as the reason(s) an alternative fuel was burned.
 - (2) The permittee shall document each day the cyclone/settling chamber, the wet scrubber, and/or any fabric filter serving this emissions unit was (were) not in service when the emissions unit was in operation, as well as the reason(s) the emissions control device(s) was (were) not employed.
 - (3) The permittee shall perform daily checks, when the emissions unit is in operation and when weather conditions allow, for any visible PE from the stacks serving this emissions unit and for any visible fugitive PE from uncontrolled egress points (i.e., building windows, doors, roof monitors, etc.). The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission



incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

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 PER shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- (2) The permittee shall identify the following information in the annual PER in accordance with the "d) Monitoring and/or Recordkeeping Requirements" section above:
 - a. all days during which any visible PE were observed from the stacks serving this emissions unit;
 - b. all days during which any visible fugitive PE were observed from uncontrolled egress points (i.e., building windows, doors, roof monitors, etc.);
 - c. any corrective actions taken to minimize or eliminate the visible stack PE and/or visible fugitive PE;
 - d. each day when a fuel other than natural gas was burned in this emissions unit, the type and quantity of fuel burned, as well as the reason(s) the alternative fuel was burned; and
 - e. each day when the cyclone/settling chamber, wet scrubber, and/or any fabric filter serving this emissions unit was (were) not in operation when the emissions unit was in operation, as well as the reason(s) the emissions control device(s) was (were) not employed.

f) Testing Requirements

- (1) Compliance with the emission limitations in section b)(1) of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:

Visible PE from each stack serving this emissions unit shall not exceed 20% opacity as a 6-minute average, except as provided by rule.



Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(1).

b. Emission Limitation:

PE from the wet scrubber stack shall not exceed 8.0 pounds per hour.

Applicable Compliance Method:

The permittee shall demonstrate compliance based on the results of emission testing conducted in accordance with the requirements in 40 CFR Part 60, Appendix A, Methods 1- 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

(2) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted within 3 months after issuance of this permit and within 6 months prior to renewal of this permit.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable PE mass emission rate of 8.0 pounds per hour from the wet scrubber serving this emissions unit, in the appropriate averaging period(s).
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

Particulates	Methods 1- 5	40 <u>CFR</u> Part 60, Appendix A
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Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
- f. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0105773

Facility ID: 1667080014

Effective Date: 12/14/2009

- g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

g) Miscellaneous Requirements

- (1) None.